

# **Commercial FEEDING STUFFS**

## **1964 Report on Inspection**

**H. J. FISHER**

**Chief Chemist**

Bulletin 675

September 1965



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## ERRATUM

### COMMERCIAL FEEDING STUFFS 1964


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Pages 57 and 59 have been transposed, with the result that the correct fat, fiber and medicant values for the Beacon Feeds and Berkman Grain Company samples listed on page 56 will be found on page 59, while the corresponding values for the Berkman, Blatchford, Bloomfield, Blue River, Brooklawn and Brown -Forman samples listed on page 58 will be found on page 57.

THE CONNECTICUT AGRICULTURAL  
EXPERIMENT STATION

New Haven



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# COMMERCIAL FEEDING STUFFS

## REPORT ON INSPECTION

1964

H. J. FISHER<sup>1</sup>

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### THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State, (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

Section 22-116 of the 1959 Revision of the General Statutes delegates the enforcement provisions of the feed law to the Commissioner of Consumer Protection.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

### REGULATIONS

#### REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 22-112)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

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<sup>1</sup> Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Charles Kahn and Miss Helen Kocaba; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Lois Hornig; and sampling by Mr. R. Richard Nichols. Compilations are by Miss Maria Coppola.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

## REGULATION 2. METHOD OF LABELLING (Sec. 22-113)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuffs sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

## REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registration is (1) name of product; (2) Vitamin D potency in terms of A.O.A.C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A.O.A.C. chick unit is the Vitamin D activity produced by one U.S. Pharmacopoeia unit of Vitamin D from the U.S.P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

## REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of these purposes,



the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tag or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS  
AND DEALERS WITH REFERENCE TO REGISTRATION  
(Sec. 22-114)

All concentrated commercial feeding stuffs, including Vitamin D carriers, must be registered with the Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers, or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registration, registration fees and other legal requirements.

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW  
AND OF OTHER TERMS

Person. The term "person" imports the singular or plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS  
(Sec. 22-113)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

### REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental properties nor does it include products consisting of supplemental minerals.

### REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e.g., mash and pellets, requires but one registration.

### REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.



## REGISTRATIONS

For the period January 1, 1964 to December 31, 1964, 164 firms registered 1,071 brands of feeding stuffs, and 18 firms registered 42 brands of vitamin carriers.

ACME-EVANS CO., INC., Division of General Grain, Inc., 902  
W. Washington Ave., Indianapolis, Indiana

Acme Hominy Feed  
Acme Wheat Bran  
Acme Wheat Middlings with Ground Wheat Screenings

AGWAY, INC., Feed Division, P.O. Box 128, 560 Delaware Ave.,  
Buffalo, New York 14240

(See also Vitamin Carriers)

Alfapels (15% Protein Dehydrated Pelleted Alfalfa Meal)  
Appiwhey  
Booster Bits Medicated  
Bre-Bits-Medicated  
Bre-Bits (A) Medicated  
Broiler Finisher-Medicated  
Broiler Finisher (W) Medicated  
Broiler Starter-Medicated  
Broiler Starter (W) Medicated  
Bro-Mix (B) Medicated  
Bulky  
Cage Bits (A) Medicated  
Calf Grower  
Calf Grow-ettes  
Calf Starter  
Cashmaker-Medicated  
Cashmaker 17 (A) Medicated  
Champion  
Chik Starter (A) Medicated  
Chik Starter (B) Medicated  
Choice  
Class Leader  
Compact 16 Pellets ESM  
Corn Gluten Feed  
Dairypels 16  
Dari-Krunch  
DFE  
Dehulled Solvent Extracted Soybean Meal  
Drought Aid Sixty 14  
Drought Aid Sixty 16  
Drought Feed 16  
Drought Forage Extender  
Drought Grain Mix  
Drought Grain Mix A  
Drought Grain Mix B  
Early Bird (Pre-Starter) Medicated

## AGWAY, INC. -Cont.

Egg Producer 21  
Egg Producer 21-(A) Medicated  
Es-Cage Bits  
Es-Cage Bits (A) Medicated  
Es-Gro-Bits (A) Medicated  
Es-Lay Bits (A) Medicated  
Exchange Champ  
Fifty-Mix  
Floor and Cage Layer  
Fulpail  
Game & Turkey Grower  
Game & Turkey Starter  
Glen-Haven Demand Horse Feed  
Gro-Bits-Medicated  
Gro-Bits (A) Medicated  
Gro-Bits-WM-Medicated  
Hi-Egg Mixer  
Highland 16 Pellets  
30% Hi-Pro Concentrate  
Hog Feed  
Hog Supplement  
Hominy Feed  
Ket-A-Way Medicated  
Lay-Bits Medicated  
Lay-Bits (A) Medicated  
Lay Mix Medicated  
Lay-Mix (A) Medicated  
Lipamone Roaster 1/2-Medicated  
Market Bits  
Matchmaker Medicated  
Medicated Defender  
Medicated Lacto-Life  
Medicated Minuteman  
Medicated Minuteman-SQ  
Medicated-Sentinel  
Medicated-Turkey Starter F  
Milkerpels 14  
Milkerpels 16  
Milkerpels 16-WA-Medicated  
Milkerpels 20  
1500-20 Milkerpels ESM  
1550-14 Milkerpels  
Milk Maker 16  
Milkmore  
Milkmore 16 ESM  
Milksaver  
Minuteman Medicated  
20% Mixer Krums ESM  
32% Mixer Krums  
40% Mixer Krums ESM  
Pacemaker Medicated  
Pacemaker Starter (A) Medicated  
Pacemaker Starter (B) Medicated

## AGWAY, INC. -Cont.

Pacemaker Starter (M) Medicated  
Pel-22 Medicated  
Pel-Gro-Medicated  
Pel-Lay Medicated  
1600-16 Pellets  
Pork Builder  
Pork Finisher Mix  
Pork Gainer-Medicated (3.0% Fiber)  
Pork Gainer-Medicated (4.0% Fiber)  
Porkmix  
38% Pork Mix  
Pork Primer-Medicated (Pellets)  
Poultry Wormer  
Protek A-Medicated  
Protek-A Bits Medicated  
Protek F-Medicated  
Protek F-Bits Medicated  
Protek H-Medicated  
Pullet Grower 20 (A) Medicated  
Rabbettes-Medicated  
Red Tag-Medicated  
Roaster Finisher-Medicated  
Roaster Finisher (W) Medicated  
Sentinel Bits Medicated  
Sixty Mixer  
Sow & Pig Feed  
Sow & Pig Supplement  
Squealer Medicated  
Sted-A-Milk  
Super Exchange Dairy  
Super Fit-N-Fresh  
Super Test Feed  
Supmix  
Sweepstakes  
Tastibulk  
Trim  
Turkey Breeder  
Turkey Finisher  
Turkey Finisher-C-Medicated  
Turkey Finisher (S) Medicated  
Turkey Grower  
Turkey Grower-C-Medicated  
Turkey Grower (S) Medicated  
Turkey Starter (B) Medicated  
Turkey Starter (F) Medicated  
Veal-N-Gro Medicated  
Wheat Middlings

ALBERS MILLING CO., (A Division of Carnation Co.), 5045  
Wilshire Blvd., Los Angeles 36, California

Albers Calf Manna  
Albers Rabbit Breeder Paks

## ALBERS MILLING CO. -Cont.

Albers Rabbit Family Ration  
Albers Rapid-Ade Medicated  
Albers Sho-Glo  
Albers Spur  
Albers Suckle-Medicated  
Albers Veal Glo

ALLIED MILLS, INC., 110 North Wacker Drive, Chicago 6, Illinois

Wayne Rabbit Ration

AMERICAN CRYSTAL SUGAR CO., (Boston Bldg.), Denver 1, Colo.

Dried Beet Pulp with Beet Molasses  
Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P.O. Box 400, Princeton, N. J.

(See also Vitamin Carriers)

ARZENE  
AUREOMYCIN Chlortetracycline Crumbles  
CYPIP Diethylcarbazine  
Cyrea Urea Feed Compound  
CYREA-45 Urea Feed Compound  
CYZINE 10% (2-acetylamine-5-nitrothiazole)  
MEGASUL 25% Nitrophenide  
Nitrophenide 20

AMERICAN FEED CO., W. 177 Street & Harlem River, New York 53,  
New York

AFCO Brand Dried Bakery Product

AMERICAN MAIZE-PRODUCTS CO., 250 Park Avenue, New York,  
New York 10017

Amaizo Corn Gluten Meal 60  
Amaizo Gluten Meal  
Cream of Corn Gluten Feed

ARCHER-DANIELS-MIDLAND CO., P.O. Box 532, Minneapolis,  
Minnesota 55440

ADM Soybean Meal 44% Protein Solvent Extracted  
ADM Soybean Meal 50% Protein Dehulled Solvent Extracted

ATLANTIC PROCESSING CO., Amagansett, New York

Smith's Life Line Fish Meal

BARBER & BENNETT, INC., Arch & Church Streets, Albany 1, N. Y.

Fort Orange Golden Test Ration  
Fort Orange Green Roughage  
Fort Orange Hi-Cal 16 Test Pellets  
Fort Orange Milk Replacer  
Fort Orange Special Test Ration  
Fort Orange 16% Test Ration

BAY STATE MILLING COMPANY, Chester Street, Clifton, N. J.

Clifton Flour Middlings  
Clifton Wheat Bran

BEACON FEEDS, Beacon Division of Textron, Inc., Cayuga, N. Y.

Beacon Balancer Pellets  
Beacon Breeder All-Mash A Medicated  
Beacon Breeder Mate  
Beacon Brisk  
Beacon Broiler Finisher APP Medicated  
Beacon Calf Grow  
Beacon Chinchilla Pellets  
Beacon "15" Coarse Test Cow Ration  
Beacon Complete Rabbit Pellets  
Beacon Complete Starter AP Medicated  
Beacon Dairy Fitting  
Beacon 0.007% Dienestrol Diacetate Mix in Beacon Poultry  
Finisher  
Beacon Duck Breeder  
Beacon Egg Mate A Medicated  
Beacon Grain Mate  
Beacon Grower All Mash  
Beacon Hi-Energy "14" Test Pel-ets  
Beacon Hi-Energy "16" Test Pel-ets  
Beacon Hi-Energy "18" Test Pel-ets  
Beacon Hi-Pro Duck Grower Finisher  
Beacon Hi-Pro Duck Starter  
Beacon Lacto-Pels "16"  
Beacon Market Egg All-Mash A Medicated  
Beacon Medicated Poultry Mix 2 CT  
Beacon Medicated Rumentrol  
Beacon Milk Check Coarse "16"  
Beacon Milk Check Coarse "18"  
Beacon Milky Way "16" Pel-ets  
Beacon Pig-Gro Medicated  
Beacon Poultry Fitting  
Beacon Prof-ets "16"  
Beacon Starter-Broiler APP Medicated  
Beacon Tally Ho Horse Feed  
Beacon "16" Test Cow Ration  
Beacon "18" Test Cow Ration  
Beacon Turkey Fattener All-Mash  
Beacon Turkey Finisher All-Mash  
Beacon Turkey Finisher All-Mash C Medicated

## BEACON FEEDS, Beacon Division of Textron, Inc. -Cont.

Beacon Turkey and Game Bird Breeder All-Mash  
Beacon "20" Turkey and Game Bird Grower  
Beacon "20" Turkey Grower C Medicated  
Beacon Turkey Starter AP Medicated  
Beacon Turkey Starter SQA Medicated  
Be-Co Grower  
Be-Co AP Medicated  
Be-Co-Lass  
Be-Co-Nurse Milk Replacer  
Pro-pel "16" Dairy

## BEACON FEED SERVICE, Uxbridge, Massachusetts

Beacon "16" Dairy Ration  
Beacon Drought Emergency Corn and Oats Mixture  
Beacon Egg Mate  
Beacon Keep Sweet Silage Preservative  
SNE Succulent

## THE BERKMAN GRAIN CO., North Franklin, Connecticut

Nibco 18% Dairy Ration  
Nibco Fitting Ration  
Nibco Five Star Breeder  
Nibco Five Star Light Breeder  
Nibco Special Five Star Lo Color (Protein 16.0%)  
Nibco Special Five Star Lo Color (Protein 18.0%)  
Nibco Five Star Roaster (Nicarbazin 0.010%)  
Nibco Five Star Roaster (Dienestrol Diacetate 0.007%;  
Nicarbazin 0.010%)  
Nibco Five Star Roaster (Dienestrol Diacetate 0.023%;  
Nicarbazin 0.010%)  
Nibco Five Star Super Starter  
Nibco Five Star Weight Maker  
Nibco Five Star Weight Maker (Nicarbazin 0.010%)  
Nibco Five Star Weight Maker (Nicarbazin 0.010%;  
Dienestrol Diacetate 0.0023%)  
Nibco High Energy Layer  
Nibco High Energy Laying & Growing Mash  
Nibco Medicated Booster Feed  
Nibco Pullet Builder  
Nibco Pullet Starter

THE BLOOMFIELD FARMERS' EXCHANGE, INC., Bloomfield,  
Connecticut

Bloomfield 16% Dairy Ration

## BLUE RIVER FEED MILLS, INC., Edinburg, Indiana

Horse Honey



BROOKLAWN GRAIN & FEED CO., 321 Sylvan Ave., Bridgeport,  
Connecticut

Brooklawn 16% Dairy Ration  
Brooklawn High Energy Layer

BROWN-FORMAN DISTILLERS CORP., Louisville, Kentucky

Brown-Forman Corn Distillers Dried Grains  
Brown-Forman Corn Distillers Solubles

BUCKEYE CELLULOSE CORP., 301 E. 6th St., Cincinnati, Ohio

Buckeye 41% Protein Solvent Extracted Cottonseed Meal  
(with added Hydrolyzed Cottonseed Oil)

BURNETT'S FOODS, INC., 3247 Laconia Ave., Bronx, N. Y.

Burnett's Hamster Food  
Burnett's Hamster Treat

CAMDEN GRAIN CO., 1709 Kossuth St., Camden, N. J.

Camden Brand Brewers Dried Grains

CANADIAN SUGAR FACTORIES LTD., Taber and Picture Butte,  
Alberta, Canada

Registered by Mowat, Wilson & Co., Detroit 35, Mich.

C. F. S. Alberta Pulp Dried Molasses Beet Pulp

THE A. B. CAPLE CO., Toledo, Ohio

17% Capex Dehydrated Alfalfa Meal

CARGILL, INCORPORATED, Cargill Bldg., Minneapolis 15, Minn.

Cargill, Incorporated 32% Protein Solvent Extracted  
Linseed Meal

Cargill, Incorporated 44% Protein Solvent Extracted  
Soybean Meal

Cargill, Incorporated 50% Protein Solvent Extracted  
Dehulled Soybean Meal

CARLING BREWING CO., 9400 Quincy Ave., Cleveland, Ohio

Carling Brewers Dried Grains

CENTRAL CONN. CO-OP FARMERS' ASSOCIATION, INC., 10  
Apel Place, Manchester, Connecticut

Honest Brand Aureomycin Mix 100 Grams Mash  
Honest Brand Aureomycin Mix Medicated 200 Grams  
Honest Brand Caged Layer Ration Mash Pellets or Crumbles

## CENTRAL CONN. CO-OP FARMERS' ASSOCIATION, INC. -Cont.

Honest Brand Complete Breeder Mash  
Honest Brand Complete Ration High Energy Growing Mash  
Honest Brand Complete Ration High Energy Growing Mash-Medicated  
Honest Brand Complete Ration High Energy Growing Mash Sulfaquinoxaline Mixture  
Honest Brand Complete Ration High Energy Laying Mash  
Honest Brand Complete Ration High Energy Laying Mash Pellets and/or Crumbles Medicated (Furazolidone)  
Honest Brand High Energy Complete Ration Laying Mash Medicated  
Honest Brand Light Breed Formula Complete Ration High Energy Laying Mash  
Honest Brand Medicated Poultry Feed (N F 180)  
Honest Brand Nu Lay Layer Ration  
Honest Brand Nu Lay Layer Ration Mash Pellets and/or Crumbles Medicated (Furazolidone)  
Honest Brand Nu Weigh-Hi Broiler Finisher Mash  
Honest Brand Nu Weigh-Hi Broiler Mash Medicated  
Honest Brand Nu Weigh-Hi Starter Mash-Medicated (Nihydrazone)  
Honest Brand Nu Weigh-Hi Starter Mash-Medicated (Sulfaquinoxaline)  
Honest Brand Triple Mix Medicated

## CHELSEA MILLING CO., North St., Chelsea, Michigan

## Chelsea Wheat Middlings

## CENTRAL SOYA, McMillen Feed Division, Ft. Wayne, Indiana

0.0116% Dienestrol Diacetate Mix Incorporated In Master Mix Broiler Finisher Concentrate 375C-71P Med.  
Forty-Four; 44% Solvent Extracted Soybean Meal  
Master Mix 18% All Mash Turkey Grower 421  
Master Mix 18% All Mash Turkey Grower 421-06E Med.  
Master Mix Blended Fifty-675  
Master Mix Broiler Finisher Concentrate 375C  
Master Mix Broiler Starter Concentrate 351-18A Medicated  
Master Mix Broiler Starter 307-18C Medicated  
Master Mix Calflac Medicated  
Master Mix Calf Mixer-559  
Master Mix Chick Concentrate 153  
Master Mix Chick Concentrate 153-04G Medicated  
Master Mix Complete Rabbit Pellets 961-84E Medicated  
Master Mix Complete Turkey Finisher 445 (Pellets)  
Master Mix Complete Turkey Finisher 445-06E Medicated  
Master Mix Dairy Blender-652  
Master Mix 38% Dairy Concentrate 671  
Master Mix Eastern Big "M" Dairy Feed 622  
Master Mix Egg Concentrate 263  
Master Mix Egglac Pellets 223  
Master Mix Egg Mash 211

## CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix H. C. Breeder Concentrate 087  
Master Mix Hi-Production 16% Dairy 627  
Master Mix Hi-Production 16% Draught Feed-627A  
Master Mix Hog Finisher Concentrate 889  
Master Mix Horse Feed 967  
Master Mix Horse and Pony Pellets 964  
Master Mix H Q 16% Dairy 618  
Master Mix H Q 20% Dairy 633  
Master Mix H Q 16% Draught Feed 618E  
Master Mix H Q Master Blend Concentrate 667  
Master Mix Medicated Cattle BIO 50-350 Pellets ( 718-03K)  
Master Mix Pacemaker - 962  
Master Mix Pig and Sow Feed 827-01A  
Master Mix Poult Starter 401-83A Medicated  
Master Mix Pullet Concentrate 163  
Master Mix Pullet Concentrate 163-04H Medicated  
Master Mix Ruma-Bulk 646  
Master Mix Sweet Bulk 'N Flakes 648  
Master Mix Sweet 16% Dairy 620  
Soybran Registered Trademark of FLAKED SOYBEAN HULLS  
Thrifty-Fifty 50% Solvent Extracted Dehulled Soybean Meal

## S. J. CHERRY &amp; SONS, LTD., Preston, Ontario, Canada

Wheat Bran

CIBA PHARMACEUTICAL CO., Division of CIBA Corporation,  
556 Morris Ave., Summit, New Jersey

Serpasil<sup>R</sup> Reserpine Premix CIBA-Medicated

CLINTON CORN PROCESSING CO., a Division of Standard Brands  
Incorporated, Box 340, Clinton, Iowa 52733

(See also Vitamin Carriers)

Clinton CFS Concentrate No. 1  
Clinton 21% Protein Corn Gluten Feed  
Clinton 41% Protein Corn Gluten Meal

## CONN. BI-PRODUCTS, INC., Hop River Road, Columbia, Conn.

Hydrolyzed Poultry Feathers  
Meat and Bone Meal  
Poultry By-Product Meal

CONSOLIDATED RENDERING CO., 178 Atlantic Ave., Boston 10,  
Massachusetts

CORENCO 47% Meat & Bone Scrap  
CORENCO 48% Meat & Bone Scrap  
CORENCO 50% Meat & Bone Scrap

CONTINENTAL DISTILLING CORPORATION, 1429 Walnut St.,  
Philadelphia 2, Pennsylvania

Prograsol Corn Distillers Dried Grains with Solubles

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE,  
INC., Mills Division, Port of Albany, Albany, New York

Bloomfield 16% Dairy Ration  
Bloomfield Hominy Mix  
Hominy Feed

CORN PRODUCTS CO., 717 Fifth Ave., New York 22, New York

Buffalo Brand 21% Corn Gluten Feed  
Diamond Brand 41% Corn Gluten Meal

COUNTRY BEST FOODS, Agway, Inc., Terrace Hill, Ithaca, N. Y.

Big Red Rabbit Food Pellets

DARI-DRI COMPANY, Div. of Milk Specialties, Dundee, Illinois

Dari-Dri Baby Calf Formula

DAWNWOOD FARMS, Wassaic, New York

(See also Vitamin Carriers)

Dawnwood Farms Caf-Star  
Dawnwood Farms HI-FAT CAF-STAR

DCA FOOD INDUSTRIES, INC., Ellicott City, Maryland

Domaco Pure Winter Wheat Bran  
Domaco Wheat Middlings

DELAWARE MILLING CO., INC., Deposit, New York

(D) Delaware Rabbit Pellets  
(D) Delaware Scratch Grains  
Eastern Connecticut Grain Associates Growing Mash Med.  
Middlesex All-Mash Layer  
Warren's C & C Complete Laying Mash  
Warren's Dairy Pellets U  
Warren's 16% Test Ration

DELPHOS SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Meal

DERBY FEED STORE, 176 Main Street, Derby, Connecticut

Litsky's Hi-Energy All Mash Grower  
Litsky's Hi-Energy All Mash Layer



## DERBY FEED STORE -Cont.

Litsky's Hi-Energy Layer  
Litsky's Hi-Energy Starter-Broiler  
Litsky's Sweet 16% Dairy Ration

DOW BREWERY LIMITED, 990 Notre Dame St. West, Montreal,  
Quebec, Canada

Brewer's Dried Grains

E. I. duPONT deNEMOURS & COMPANY, Wilmington, Del. 19898

DU PONT TWO-SIXTY-TWO Feed Compound

DUQUESNE BREWING CO. of PITTSBURG, So. 22nd & Mary  
Streets, Pittsburgh, Pennsylvania

Bulk Brewers Dried Grains

ELMORE MILLING CO., INC., 52 Main Street, Oneonta, N. Y.

Elmore Bulky Base  
Elmore Bull Feed  
Elmore Calf Grain Ration  
Elmore Chixsaver  
Elmore's Complete Calf Milk Replacer  
Elmore Complete Growing Mash  
Elmore Complete Growing Ration Medicated (IZ)  
Elmore Complete Laying Mash  
Elmore Complete Market Egg Mash  
Elmore Complete Rabbit Ration Pellets  
Elmore Complete Turkey Growing Mash  
Elmore Complete Turkey Growing Mash Medicated (IH)  
Elmore Dry & Freshening Ration  
Elmore Economy 16% Dairy  
Elmore Egg Mash  
Elmore Fitting Ration 14%  
Elmore Flaked Pelleted Calf Starter  
Elmore Game Bird Breeder Mash  
Elmore Game Bird Grower  
Elmore Game Bird Grower Medicated (IS)  
Elmore Game Bird Starter Medicated (IS)  
Elmore Grand Champion Ration  
Elmore Hog Ration  
Elmore Horse Feed  
Elmore Maximilk Ration 16%  
Elmore Medicated Mash  
Elmore Milk Grains "Sixteen"  
Elmore Milk Grains "Twenty"  
Elmore Pacemaker 16% Dairy Ration  
Elmore Pacemaker Dairy Ration 18%  
Elmore Pacemaker Horse Pellets  
Elmore Poultry and Turkey Fitting Ration  
Elmore Roughage Extender

## ELMORE MILLING CO., INC. -Cont.

Elmore Special Dairy 16%  
Elmore Test Ration 16%  
Elmore Test Ration 18%  
Elmore Turkey Finisher (Fattener)  
Elmore Turkey Growing Mash Medicated (1H)  
Elmore Turkey Starter Mash (or Crumbles) Medicated NF  
180

## JOHN W. ESHELMAN &amp; SONS, 244 N. Queen St., Lancaster, Penn.

Dehulled Solvent Extracted Soybean Meal  
Dehydrated Alfalfa Meal (17%)  
Egg Maker  
Lancaster 16 Dairy Feed  
Lancaster 20 Dairy Feed  
Lancaster Horse Pellets  
Lancaster Scratch Grains  
Lancaster Sweet Mix  
Pennsy 16 Dairy Feed  
Pennsy Laying Mash  
Red Rose Breeder Supplement  
Red Rose Calf Grower  
Red Rose Calf Starter  
Red Rose Chick Grains  
Red Rose Chick Starter Medicated (110-E)  
Red Rose Complete Breeder Ration  
Red Rose Complete Game Bird Grower  
Red Rose Complete Growing Ration  
Red Rose Complete Laying Ration  
Red Rose Complete Turkey Finisher  
Red Rose Complete Turkey Finisher Medicated (313-C)  
Red Rose Complete Turkey Grower  
Red Rose Complete Turkey Grower Medicated (312-C)  
Red Rose 16 Dairy Feed  
Red Rose 18 Dairy Feed  
Red Rose Duck Grower & Breeder (Pelleted)  
Red Rose Equinader  
Red Rose Fitting Ration  
Red Rose Goat Ration  
Red Rose Growing Mash  
Red Rose Horse Feed  
Red Rose Intermediate Chick Grains  
Red Rose Laying Mash  
Red Rose Medicated T - C Feed  
Red Rose Milk Replacer  
Red Rose Pigeon Feed  
Red Rose Porkmaker  
Red Rose Rabbit Pellets  
Red Rose Rabbit Pellets Medicated (710.B)  
Red Rose Rumenator (Dairy Booster)  
Red Rose Scratch Grains  
Red Rose Show Horse Feed  
Red Rose Starter & Grower



JOHN W. ESHELMAN & SONS -Cont.

Red Rose 14 Test-Cow Feed  
 Red Rose Turkey & Poultry Fitting Feed  
 Red Rose Turkey Starter  
 Solvent Extracted 41% Cottonseed Meal  
 S-O-S

EVANS MILLING COMPANY, INC., 1730 W. Michigan Street,  
 Indianapolis, Indiana

Emco Hominy Feed

FARM BUREAU ASSOCIATION, 158 Lexington St., Waltham, Mass.

Farm Bureau Advancer  
 Farm Bureau Advancer Dairy 16% Pellets  
 Farm Bureau Chick Starter W/Amprolium  
 Farm Bureau Complete Developer Mash W/Amprolium  
 Farm Bureau Complete Layer Breeder Mash, Medicated  
 Farm Bureau Controlled Energy Complete Producer  
 Farm Bureau Dairy 16%  
 Farm Bureau Dairy 20%  
 Farm Bureau Rabbit Pellets  
 Rabbit Food Pellets Medicated with .025% Sulfaquinolaxine

FARMERS FEED COMPANY, 375 Johnson Avenue, Brooklyn, N.Y.

"Bull Brand" Brewers Dried Grains

FEED SERVICE CORPORATION, Box 270, Crete, Nebraska

MOREA Liquid Feed Pre-Mix M-87.5R7

FOREMOST DAIRIES, INC., Industrial Div., 1870 El Camino Real,  
 Burlingame, California

Peebles M-N-C

FRUEN MILLING COMPANY, Traffic Station Box 3172, Minneapolis,  
 Minnesota 55403

Fruen's All-Purpose Thrift Pellets

GENERAL FOODS CORPORATION, 1551 East Willow St., Kankakee,  
 Illinois

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minnesota

General Mills Inc. Adrian Wheat Red Dog  
 General Mills Inc. Wheat Bran with Ground Wheat Screenings  
 General Mills Inc. Wheat Middlings with Ground Wheat  
 Screenings

## GENERAL MILLS, INC. -Cont.

Purity Oat Mill By-Product

GLOUCESTER BY-PRODUCTS, INC., State Fish Pier, Gloucester,  
Massachusetts

Globpro Brand 60% Protein Fish Meal

GOLDEN GEM GROWERS, INC., Umatilla, Florida

Golden Gems Sweet Dried Citrus Pulp

GOLDENROD OIL MEAL SALES CO., Box 152, Memphis 1, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal-Prime Quality

W. R. GRACE & CO., Nitrogen Products Division, 147 Jefferson  
Ave., Memphis 3, Tennessee

Grace Micro Prilled Urea Feed Compound

THE GREAT ATLANTIC and PACIFIC TEA CO., 817-512 Nicollet  
Bldg., Minneapolis, Minnesota

Daily Egg Laying Mash

GREAT STAR FLOUR MILLS LIMITED, St. Marys, Ontario,  
CanadaGreat Star Wheat Bran  
Great Star Wheat Shorts

HALES &amp; HUNTER CO., 141 W. Jackson Blvd., Chicago, Illinois

Pioneer Calf Starter  
Pioneer 16 Dairy Pellets  
Pioneer Dry and Freshening  
Pioneer 14 High Energy Dairy  
Pioneer Horse Feed  
Pioneer 14 Milker  
Pioneer 16 Milker  
Pioneer 20 Milker  
Pioneer 30 Milker Mixer  
Pioneer 16 Milker Pellets  
Pioneer 16 Pelleted-Flaked Dairy  
Pioneer Production Dairy 16  
Pioneer Rabbit Pellets Medicated  
Pioneer Sup-Pel Dairy Supplement Pellets  
Pioneer Vig-R-Calf Medicated Milk Replacer  
Red Comb Broiler Finisher 0207 Medicated  
Red Comb Broiler Starter Medicated  
Red Comb Broiler Starter 0207 Medicated  
Red Comb Chick Starter  
Red Comb Chick Starter Medicated

HALES & HUNTER CO. -Cont.

Red Comb Complete Broiler-Type Breeder  
 Red Comb Complete Egg-Type Breeder  
 Red Comb Complete Grower Medicated  
 Red Comb Complete Layer 15 Medicated  
 Red Comb Complete Layer 16 Medicated  
 Red Comb Complete Turkey Breeder  
 Red Comb Growing Mash Medicated  
 Red Comb-Pioneer Wormer  
 Red Comb Pullet Developer  
 Red Comb Roaster Ration  
 Red Comb Scratch Feed  
 Red Comb Sup-Pel Medicated Poultry Supplement  
 Red Comb Turkey Finisher 14  
 Red Comb Turkey Finisher 17  
 Red Comb Turkey Grower 20  
 Red Comb Turkey Grower 23  
 Red Comb Turkey Starter  
 Red Comb Turkey Starter Medicated

HAYWARD, INC., Oak Harbor, Ohio

Alfalfa Meal

HI-ACRES CONCENTRATE, INC., P.O. Box 7127, Orlando, Fla.

Hi-Acres All Sweet Dried Citrus Pulp

HOLLY SUGAR CORP., Colorado Springs, Colorado

Dried Beet Pulp and Beet Molasses

H. P. HOOD & SONS, INC., Dunedin, Florida

Hood Citrus Pulp

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston 29, Mass.

(See also Vitamin Carriers)

Hood Milk Replacer  
 Hood Poultry Feed-Pep-Lac  
 Hood Whey-Lac Poultry Feed  
 Powdered Skim Milk

E. C. & W. L. HOPKINS, INC., Greenfield, New Hampshire

Granite State Rabbit Pellets

GEO. A. HORMEL & COMPANY, Austin, Minnesota

Hormel 75% Dried Meat Solubles

**THE HUBINGER COMPANY, Keokuk, Iowa**

Ke OK uk Brand Corn Gluten Meal  
Ke OK uk Brand 21% Protein Corn Gluten Feed

**ILLINOIS CEREAL MILLS, INC., Paris, Illinois**

Hominy Feed

**INDUSTRIAL MOLASSES CORPORATION, 321 Fort Lee Road,  
Leonia, New Jersey**

Dried Beet Pulp

**INTERNATIONAL MILLING COMPANY, 1200 Investors Building,  
Minneapolis, Minnesota 55415**

Blackhawk Wheat Bran with Ground Mixed Screenings  
Blackhawk Wheat Middlings with Ground Mixed Screenings

**INTERNATIONAL MINERALS & CHEMICAL CORP., Old Orchard  
Road, Skokie, Illinois**

(See also Vitamin Carriers)

DUO-fos

**HERMAN ISACS, INC., Bridgeport, Connecticut**

Hi Test Meat & Bone Meal

**JACCO INDUSTRIES, LTD., 459 No. Boyle, P.O. Box 4772,  
St. Louis, Missouri 63108**

Boost (Brewers Dried Yeast)

**I. S. JOSEPH COMPANY, INC., Minneapolis, Minnesota**

Dried Beet Pulp

**KELLOGG CO. of CANADA LIMITED, P.O. Box 2517, London,  
Ontario, Canada**

Hominy Feed

**KELLOGG SALES CO., 235 Porter St., Battle Creek, Michigan**

1003 Kellogg's Mink Conditioner  
1009 Kellogg's Kel-Blend

**SPENCER KELLOGG, Division of Textron Inc., 120 Delaware Ave.  
Buffalo, New York 14240**

Spencer Kellogg's 31% Protein Old Process (Expeller)  
Linseed Meal

KEYSTONE DEHYDRATORS, Box 204, Nazareth, Pennsylvania

Keystone Super Green Dehydrated Alfalfa Meals with  
Ethoxyquin (Protein 17.0%; Fat 2.0%; Fiber 27.0%)  
Keystone Super Green Dehydrated Alfalfa Meals with  
Ethoxyquin (Protein 20.0%; Fat 2.5%; Fiber 20.0%)

KRAFT FOODS, (Div. National Dairy Prod Corp.), 99 Park Ave.,  
New York 16, New York

(See also Vitamin Carriers)

KAFF-A Feed Booster Pellets for Heifers, Cows, Beef  
Cattle, Lambs and Sheep

KAFF-A Milk Replacer for Calves Medicated

KRACO Naturally Sweet Dried Whole Whey

Pace Feed Booster Pellets for Horses, Ponies & Colts

PEX Condensed for Poultry

PEX Feed Booster Pellets for Layers & Breeders

PEX Self Feeder Block for Poultry

PEX Self Feeder Green Whey Block for Chicks & Poult

PEX Self Feeder Whey Block for Chickens & Turkeys

KRAUSE MILLING COMPANY, 404 E. State St., Milwaukee 1, Wis.

Badger Yellow Hominy Feed

KUDER PULP SALES CO., Box 1208, Lake Alfred, Florida 33850

Kuder Dried Citrus Pulp, High Sugar

LAKE STATES YEAST & CHEMICAL DIVISION of ST. REGIS  
PAPER CO., 603 W. Davenport St., Rhinelander, Wisconsin

Dried Torula Yeast

LAUHOFF GRAIN CO., 321 East North St., Danville, Illinois

43% Protein Expeller Soybean Cake  
Vermilion Hominy Feed

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Connecticut

Libner's Blue Ribbon Horse & Calf Ration

MAK MOR CORP., P.O. Box 123, Clinton, Massachusetts

MOREA<sup>R</sup> M-30 (Liquid Feed Supplement for Ruminants Only)

THE MANITOBA SUGAR CO., LTD., Winnipeg, Manitoba, Canada

Registered by Mowat, Wilson & Co., Detroit 35, Michigan

Plain Dried Beet Pulp



MAXON MILLS, INC., Wassaic, New York

Maxon 16% Dairy  
Maxon 20% Dairy  
Maxon 14% Fitting  
Maxon 16% Test  
Maxon 18% Test

MAYFLOWER MILLS, 931 Leesburg Road, Fort Wayne,  
Indiana 46801

Mayflower Pure Wheat Bran  
Mayflower Wheat Middlings with Ground Wheat Screenings  
not exceeding Mill Run

McCABE GRAIN COMPANY LIMITED, 409 Exchange Bldg.,  
Winnipeg 2, Manitoba, Canada

Ground Mixed Screenings

THE MENNEL MILLING CO., 128 West Crocker St., Fostoria,  
Ohio

Memo Pure Wheat Bran  
Memo Wheat Middlings with Ground Wheat Screenings

MERCK & CO., INC., Chemical Division, Rahway, New Jersey

(See also Vitamin Carriers)

AMPROL 25%  
AMPROL PLUS  
GLYCAMIDE 12%  
Improved Premix - Medicated

MILK SPECIALTIES, INC., Washington & Illinois Street, Dundee,  
Illinois

(See also Vitamin Carriers)

Dari-Dri Veal Formula

MINER-HILLARD MILLING CO., Wilkes-Barre, Pennsylvania

Choice Steam Cooked Hominy Feed

MINUTE MAID COMPANY, Citrus Products Sales, P.O. Box 2711,  
Orlando, Florida

Golden Isle Brand Citrus Pulp

MOLSON'S BREWERY (ONTARIO) LIMITED, 640 Fleet St. West,  
Toronto, Ontario, Canada

Dried Brewers' Spent Grains



GEO. Q. MOON & CO., INC., Binghamton, New York

Moon N. E. Complete Growing Mash  
Moon N. E. Complete Laying Mash  
Moon Rabbit Pellets  
Moon Scratch Feed  
Moon U. S. 20% Dairy Ration

JAS. F. MORSE & CO., 11 Horace St., Somerville, Massachusetts

Morse's 47% Meat & Bone Meal

MOUNT VERNON MILLING COMPANY, Mt. Vernon, Indiana

Sunlite Hominy Feed

MOWAT, WILSON & CO., 15325 W. 7 Mile Rd., Detroit 35, Mich.

Dried Beet Pulp  
Dried Beet Pulp and Beet Molasses

NAPPANEE MILLING CO., INC., 301 South Jackson St., Nappanee, Indiana

Hominy Feed

NATIONAL ALFALFA DEHYDRATING & MILLING CO., Lamar, Colorado

Jack Rabbit 15% Protein Dehydrated Alfalfa Meal

NATIONAL ALFALFA DEHYDRATING & MILLING CO., 4010 Washington St., Kansas City, Missouri 64111

Krumbles  
National 15% Protein Dehydrated Alfalfa Meal Ethoxyquin  
Added as a Preservative  
National 17% Protein Dehydrated Alfalfa Meal Ethoxyquin  
Added as a Preservative  
National 18% Protein Dehydrated Alfalfa Meal Ethoxyquin  
Added as a Preservative

NATIONAL BISCUIT CO., Toledo Mill, 2221 Front St., Toledo, Ohio

Namico  
Pure Wheat Bran

NATIONAL DISTILLERS PRODUCTS COMPANY, Division of  
National Distillers & Chemical Corp., 120 Section Rd.,  
Cincinnati, Ohio 45216

Corn Distillers Dried Grains  
Nadrisol Brand Corn Distillers Dried Solubles  
Produlac Brand Corn Distillers Dried Solubles with Grains

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver, Col.

GW Dried Beet Pulp

OGDEN GRAIN COMPANY, Utica, New York

Conn. 16% Dairy Ration

Eastern Conn. Grain Associates Growing Mash

Eastern Conn. Grain Associates Growing Mash Medicated

Eastern Conn. Grain Associates RECYCLER No. 2

14% Grain Ration

H. Stollman Chick Starter Mash Medicated

Ogden C. L. Special 15

Ogden C. L. Special 16

Ogden Complete Chick Starter Medicated

Ogden Complete Layer Medicated

Ogden Davis Dairy Pellets

Ogden Developer Feed

Ogden Doc 16% Dairy

Ogden Doc 20% Dairy

Ogden 20% Growing Feed

Ogden Hi Energy Laying Medicated

Ogden 16% Hi-Kal Dairy Pellets

Ogden 18% Hi-Kal Dairy Pellets

Ogden Hi Value Complete Layer

Ogden Horse Feed

Ogden Life Span 15

Ogden Medicated Complete Calf Starter

Ogden Premium Dry and Freshening Ration

Ogden Premium 16 Hi-Energy Dairy Pellets

Ogden Premium 20% Milk Ration

Ogden Premium 16 Pel-Flake

Ogden Premium Test Cow 16

Ogden Premium Test Cow 18

Ogden Rabbit Pellets

Ogden Reliable 15 Pel-Flake

Ogden R S 10 Roughage Supplement

Ogden Scratch Grains

Ogden Super Hi Energy Laying

Ogden Super Pig Ration

THE OGILVIE FLOUR MILLS CO., LTD., 1960 Sun Life Bldg.,  
Montreal, Canada

Ogilvie Wheat Bran

PACIFIC MOLASSES COMPANY, 215 Market Street, San Francisco  
California

Cane Molasses

PARRISH & HEIMBECKER LTD., 43 Scott Street, Toronto, Ontario,  
Canada

"Parrheim" Pure Wheat Shorts

PASCO PACKING CO., P.O. Box 97, Dade City, Florida 33525

O-Mi-O Citrus Pulp  
Sugar Sweet Citrus Pulp

PENICK & FORD LTD., INC., Cedar Rapids, Iowa

21% Protein Douglas Corn Gluten Feed

JOHN J. PEPIN & COMPANY, 314 Cotton Exchange Bldg.,  
Memphis, Tennessee 38114

"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

CHAS. PFIZER & CO., INC., 235 East 42nd St., New York, N.Y.

(See also Vitamin Carriers)

Vigofac-6

PIERCE GRAIN CORPORATION, 1040 Seneca Street, Buffalo,  
New York 14210

Reliance Coarse Calf Meal  
Reliance Horse Feed Fortified  
Sweet Sweet Mix

PILLSBURY CANADA LTD., Midland, Ontario, Canada

Dandy Wheat Bran

THE PILLSBURY CO., Minneapolis 2, Minnesota

Pillsbury's XX Daisy (Wheat Red Dog)  
Pillsbury's Wheat Bran with Ground Wheat Screenings  
Pillsbury's Wheat Germ Meal  
Pillsbury's Wheat Middlings with Ground Wheat Screenings

PITTSBURGH BREWING CO., 3340 Liberty Ave., Pittsburgh,  
Pennsylvania 15201

Iron City Brewers Dried Grains

PUBLICKER INDUSTRIES INC., 1429 Walnut St., Philadelphia 2,  
Pennsylvania

Prograsol - Corn Distillers Grains With Solubles

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago 54, Ill.

Ful-O-Pep Calf Sup  
Ful-O-Pep Milk Replacer for Calves  
Muffets Shredded Wheat Feed  
Vim Oat Hulls  
Vim Oat Mill By-Product

## THE QUAKER OATS CO., Chicago -Cont.

White Hominy Feed-S  
Yellow Hominy Feed-S

QUAKER OATS CO. of CANADA LTD., Peterborough, Ontario,  
Canada

Hominy Feed

## THE QUAKER OATS CO., P.O. Box 46, Shiremanstown, Penn.

Ful-O-Pep Complete Horse Feed  
Ful-O-Pep Derwood Horse Crunch

## RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Missouri

(See also Vitamin Carriers)

Crimped Whole Oats and Molasses  
Northeastern Scratch Feed  
34% Protein (Solvent Process) Linseed Oil Meal  
50% Protein Dehulled Solvent Extracted Soybean Meal  
44% Protein Solvent Extracted Soybean Meal  
Purina B & M Cow Chow  
Purina Breeder Eggena NE  
Purina Broiler Chow Medicated  
Purina Broiler Chow MP Medicated  
Purina Broiler Chow Finisher 1 Medicated  
Purina Broiler Chow Finisher No. 1 MP Medicated  
Purina Broiler Chow Finisher No. 2  
Purina Broiler Chow Starter Medicated  
Purina Broiler Chow Starter MP Medicated  
Purina Bulky Las  
Purina Calf Startena  
Purina Calf Startena (Coarse)  
Purina Capena MP Medicated  
Purina Chek-R-Furan (Furazolidone Mixture) H-1157 Med.  
Purina Chek-R-Mycin Etts TM (Chlortetracycline Hydrochloride) H 1244  
Purina Chick Chow (Coarse)  
Purina Chick Chow (Fine)  
Purina Chick Growena  
Purina Chick Growena ZO Medicated  
Purina Chick Grower P  
Purina Chick Startena  
Purina Chick Startena J  
Purina Chick Starter (J) ZO Medicated  
Purina Chick Startena (J) ZO-V Medicated  
Purina Chick Startena ZO-V Medicated  
Purina Chick Starter P  
Purina Complete Sow Chow  
Purina Cow Chow Concentrate 36%  
Purina Cow Chow D 16%  
Purina Cow Chow D (B) 16%

## RALSTON PURINA CO. -Cont.

Purina Cow Chow D 20%  
Purina Cow Chow D (B) 20%  
Purina D & F Chow  
Purina D & F Chow (Coarse)  
Purina Dairy Chow L 14% (Coarse)  
Purina Dairy Chow L 16%  
Purina .0023% Dienestrol Diacetate Mixture in Purina  
Roaster Chow NC - Medicated  
Purina Drouth Milk Chow  
Purina Duck Growena  
Purina Duck Startena  
Purina Egg Chow T  
Purina Eggena NE  
Purina Game Bird Breeder Layena (Complete Ration)  
Purina Game Bird F & M Chow  
Purina Game Bird Startena SQ Medicated  
Purina Goat Chow (Coarse)  
Purina Goat Chow Checkers  
Purina Hen Chow D  
Purina Hog Finisher No. 1 Medicated  
Purina Horse Chow Checkers  
Purina Layena  
Purina Layena CF  
Purina Medicated Breeder Eggena (NE) Hx2  
Purina Medicated Breeder Eggena (NE) FZ No. 4  
Purina Medicated Chek-R-Aid  
Purina Medicated Mix-R-Mycin  
Purina Medicated Mix-R-Mycin Concentrate  
Purina Medicated Pig Startena  
Purina Medicated Poultry Aid  
Purina Milk Chow D 16%  
Purina Milk Chow D 16% (Coarse)  
Purina Milk Chow D 20%  
Purina Milk Chow D (U) 16%  
Purina Milk Chow D (U) 16% (Coarse)  
Purina Milk Chow D 20% (Coarse)  
Purina (BIR) TM Milking Chow D No. 2  
Purina Mink Breeder Chow  
Purina Mink Cereal  
Purina Mink Developer Cereal  
Purina Mink Developer Chow  
Purina Mink Developer Chow SF  
Purina Mink Developer Concentrate  
Purina Neomycin Feed Mix.  
Purina Nursing Chow - Medicated  
Purina Omolene  
Purina Pig Growena Medicated  
Purina Pigeon Chow Checkers  
Purina Poultry Wormer Concentrate for Chickens and  
Turkeys  
Purina Pro-Lay Eggena  
Purina 36% Protein Cottonseed Meal  
Purina Pullet Developer B



## RALSTON PURINA CO. -Cont.

Purina Pullet Developer F  
Purina Pullet Developer (F) ZO Medicated  
Purina Rabbit Chow Checkers  
Purina Rabbit Chow Checkers (20%)  
Purina Rabbit Chow Checkers FZ SQ Medicated  
Purina Range Checkers A  
Purina Roaster Chow  
Purina Roaster Chow F  
Purina Silage Preserver D  
Purina Turkey Finisher No. 1  
Purina Turkey Finisher No. 2  
Purina Turkey Finisher No. 2 HZ Medicated  
Purina Turkey Growena No. 1  
Purina Turkey Growena No. 2  
Purina Turkey Growena No. 2 HS Medicated  
Purina Turkey Growena No. 2 MP Medicated  
Purina Turkey Startena  
Soybean Hulls  
Soybean Mill Run  
Wheat Middlings

## READING MILLING CO., INC., Reading, Pennsylvania

Faramel 16% All Mash Layer  
Faramel Complete Rabbit Pellets

## RELIABLE GRAIN CO., 176 Westfield Ave., Ansonia, Connecticut

Reliable Sweet 16% Dairy

RELIANCE CHEMICALS CORPORATION, 12405 Sowden Road,  
Houston, Texas

B-Pol, A Dried Crude Culture of Live B. megatherium

## RIVERSIDE OIL MILL, Marks, Mississippi

Expello Brand 41% Protein Cottonseed Meal or Cake

## ROHLOFF BROS., INC., RR, Graytown, Ohio

Rohloff's Dehydrated Alfalfa Meal With Animal Fat

## WOLF SAVITSKY &amp; SONS, INC., Foot of White St., Shelton, Conn.

Wolf's Calf Starter  
Wolf's Complete Hi-Eff Egg Breeder Mash  
Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated  
Wolf's Complete Hi-Eff Growing Mash  
Wolf's Complete Hi-Eff Profit Builder-Medicated  
Wolf's Complete Hi-Eff Profit Builder-Medicated  
(SQ 0.0175%)  
Wolf's 16% Dairy Pellets



## WOLF SAVITSKY &amp; SONS, INC. -Cont.

Wolf's 14% Dairy Ration  
 Wolf's 16% Dairy Ration  
 Wolf's Dry & Freshening Ration  
 Wolf's Heifer Feed  
 Wolf's Hi-Speed Starter & Broiler Ration - Medicated  
 Wolf's Horse Feed  
 Wolf's Medicated Complete Hi-Eff Profit Builder  
 (Furazolidone 0.011%)  
 Wolf's Medicated Complete Hi-Eff Profit Builder  
 (Chlortetracycline 0.100 gm/lb.)  
 Wolf's Medicated Poultry Booster  
 Wolf's Pig & Hog Feed  
 Wolf's 16% Test Ration  
 Wolf's 18% Test Ration

SCHENLEY DISTILLERS, INC., 1290 Avenue of the Americas,  
New York, New York

Schenley Mark of Merit Corn Distillers Dried Grains  
 with Solubles  
 Schenley Mark of Merit Milo Distillers Dried Grains  
 with Solubles  
 Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Pennsylvania

Schoeneck's 17% Super-Green Dehydrated Alfalfa Meal

SEA-BORN MINERAL DIV. of SKOD CO., P.O. Box 465, 15 E.  
Elm St., Greenwich, Connecticut

Algit Norwegian Kelp Meal  
 Sea Born Norwegian Seaweed Meal-Special Fine Grind

SEYMOUR GRAIN & COAL CO., 100 Main Street, Seymour,  
Connecticut

Miracle 14% Calf Grower  
 Miracle Dairy 16%  
 Miracle Hi-Efficiency Grower  
 Miracle Hi-Energy All Mash Layer  
 Miracle Horse Feed With Molasses  
 Miracle 20% Laying Mash  
 See-More-Milk Dairy Ration (Protein 18.0%; Fat 3.50%;  
 Fiber 8.50%)  
 See-More-Milk Dairy Ration (Protein 20.0%; Fat 3.0%;  
 Fiber 9.50%)

SHERWIN-WILLIAMS CO., 101 Prospect Ave., N.W., Cleveland,  
Ohio

Sherwin-Williams 32% Linseed Meal (Solvent Extracted)

SHERWOOD FEED MILLS, INC., 801 Eastern Ave., Baltimore, Md.

Brewer's Dried Grains

SOUTHERN FRUIT DISTRIBUTORS, INC., P.O. Box 8367,  
Orlando, Florida

Bluebird Citrus Pulp

A. E. STALEY MFG. CO., Decatur, Illinois

Hi-Pro-Con 50% Protein Dehulled Solvent Extracted Soybean  
Meal

44% Protein Solvent Extracted Staley's Soybean Meal

Staley's 21% Corn Gluten Feed

Staley SWEETLIX Block

Staley Sweetlix A Block

Sweetone Cane Molasses Dried on Soybean Millrun

F. W. STOCK & SONS, INC., Hillsdale, Michigan

Stock's Wheat Bran

Stock's Wheat Middlings

SUNI-CITRUS PRODUCTS CO., Haines City, Florida

Registered by Cocke & Co., Atlanta, Georgia 30303

Sweet Suni-Citrus Pulp

SWIFT & CO., P.O. Box 110, Fostoria, Ohio

Swift's 44% Protein Solvent Extracted Soybean Meal

Swift's Super Soy - 50% Protein Solvent Extracted Soybean  
Meal

T. H. TAYLOR CO., LTD., 14 William St. N., Chatham, Ontario,  
Canada

Beaver Wheat Bran

TEKLAD, INC., P.O. Box 348, Monmouth, Illinois

ROCKLAND Guinea Pig Diet

ROCKLAND Rabbit Ration

TRI ASSOCIATES, INC., 8500 Pillsbury Ave. So., Minneapolis,  
Minnesota

Tri's Grade A Brand Milk Replacer - Medicated

ULTRA-LIFE LABORATORIES, INC., 3500 Walnut Ave. at  
Southern RR Tracks, East St. Louis, Illinois

17% Dehydrated Alfalfa Meal Pellets

## ULTRA-LIFE LABORATORIES, INC. -Cont.

41% Protein Solvent Extracted Cottonseed Meal  
 32% Protein Solvent Extracted Linseed Meal  
 Ultra-Life Broiler-Gro  
 Ultra-Life Calf Food Pellets Medicated  
 Ultra-Life High Energy Poultry  
 Ultra-Life Layer Recycler  
 Ultra-Life Livestock

UNITED CO-OPERATIVE FARMERS, INC., 339 Broad Street,  
Fitchburg, Massachusetts

UCF Calf Grower  
 UCF 14% Dairy  
 UCF 16% Dairy  
 UCF 20% Dairy  
 UCF NRG All Mash Breeder  
 UCF Hi NRG All Mash Breeder  
 UCF Hi NRG All Mash Grower (Protein 15.5%)  
 UCF Hi NRG All Mash Grower (Protein 16.0%)  
 UCF Hi NRG All Mash Grower Medicated  
 UCF Hi NRG All Mash Layer (Protein 15.5%; Fat 4.0%;  
 Fiber 4.0%)  
 UCF Hi NRG All Mash Layer (Protein 16.0%; Fat 4.5%;  
 Fiber 3.5%)  
 UCF Hi NRG Lay Granules (Protein 15.5%; Fat 4.0%;  
 Fiber 4.0%)  
 UCF Hi NRG Lay Granules (Protein 16.0%; Fat 4.5%;  
 Fiber 3.5%)  
 UCF Hi NRG Starter (Medicated)  
 UCF Horse Feed  
 UCF Layer  
 UCF Medicated Booster-200  
 UCF Medicated Booster NF 200  
 UCF Medicated HI-PO 200  
 UCF Milk Replacer  
 UCF Pig & Hog Feed  
 UCF Scratch Feed  
 UCF Sheep Creep Ration

## UNITY FEEDS, Agway Inc., 560 Delaware Ave., Buffalo, N. Y. 14240

Breeder Mash  
 Rabbit Pellets  
 Turkey and Game Bird Growing Mash  
 Unity Feeds Broiler Maker Medicated (Amprolium)  
 Unity Feeds Broiler Starter Medicated  
 Unity 16% Dairy Ration  
 Unity Dairy & Fitting Ration  
 Unity Growing & Laying Mash  
 Unity High Energy Breeder Mash  
 Unity High Energy Growing Mash  
 Unity High Energy Laying Mash  
 Unity Medicated Booster

## UNITY FEEDS -Cont.

Unity Medicated Hen-Biotic  
Unity 16% Milkets  
Unity Pig & Hog Ration  
Unity Feeds Producer  
Unity Feeds Scratch Feed  
Unity Super Starter Medicated (Nicarbazin)  
Unity Feeds Trim (Medicated)  
Unity Feeds Trim (Nicarbazin) Medicated  
Unity Improved Calf Ration

GEORGE URBAN MILLING CO., 200 Urban St., Buffalo, N. Y. 14211

Wheat Middlings with Ground Screenings not exceeding Mill  
Run

WM. S. WARREN & SON, Eastford, Connecticut

Warren's Calf Milk Replacer  
Warren's Complete Laying Mash  
Warren's 16 Dairy Ration  
Warren's 16% Test Ration

HIRAM WALKER & SONS, INC., Peoria, Illinois

Corn Distillers Dried Grains with Solubles

H. K. WEBSTER COMPANY, Lawrence, Massachusetts

Blue Seal Breeder-Cal  
Blue Seal C-4 Broiler (Medicated)  
Blue Seal C-5 Finisher Medicated Pellets  
Blue Seal Calf Starter  
Blue Seal Chick Starter (Medicated)  
Blue Seal Coarse 16 Dairy Ration  
Blue Seal Coarse 20 Dairy Ration  
Blue Seal Complete Horse Ration  
Blue Seal "30" Dairy Concentrate  
Blue Seal 16% Dairy Mix  
Blue Seal Egg Mash  
Blue Seal Fat & Finish Ration Pellets  
Blue Seal Fitting Ration  
Blue Seal Grower-Cal  
Blue Seal Grower-Cal ZL (Medicated)  
Blue Seal Grow-Ettes  
Blue Seal Grow-Ettes ZL (Medicated)  
Blue Seal Hg Mix (Medicated)  
Blue Seal Horse Feed  
Blue Seal Layer-Cal  
Blue Seal Lay-ettes  
Blue Seal Medicated NF-Mix  
Blue Seal Medicated NF-HI-Mix  
Blue Seal Medicated Ruminaid  
Blue Seal Milk Replacer

H. K. WEBSTER COMPANY -Cont.

Blue Seal Milkers' 16 Pellets  
 Blue Seal Milkers' 18 Pellets  
 Blue Seal Milkers' 20 Pellets  
 Blue Seal 16% Nuggets  
 Blue Seal Pig Feed Medicated  
 Blue Seal Poultry Wormer  
 Blue Seal Rabbit Pellets  
 Blue Seal Standard "14" Fitting Ration  
 Blue Seal Standard "16" Dairy Ration  
 Blue Seal Standard "20" Dairy Ration  
 Blue Seal Succulent Feed and Calving Ration  
 Blue Seal Sweet Pulp  
 Blue Seal Test Ration  
 Blue Seal Turkey Growing Pellets  
 Blue Seal Turkey Growing H S Medicated Pellets

WEST-NESBITT, INC., Oneonta, New York

"Beets-All" Horse Feed  
 Cream Line Dairy-Test Ration  
 Pure Feed Complete Grower  
 Pure Feed Complete Layer  
 Pure Feed Complete Rabbit Pellets  
 Pure Feed 16% Dairy Pellets  
 Pure Feed Egg and Breeder  
 Pure Feed Egg Maker  
 Pure Feed 14% Fitting Ration  
 Pure Feed Grower  
 Pure Feed Horse Ration  
 Pure Feed Starter  
 Pure Feed Starter Medicated  
 Pure Feed Sweet "16"  
 Pure Feed Turkey Finisher  
 Pure Feed Turkey Grower  
 Pure Feed Swine Ration  
 Pure Feed Turkey Starter Medicated Amprol  
 West-Nesbitt Milk Replacer

A. C. WETHERELL, Suffield, Connecticut

Special Dairy Mixture No. 3

WHITMOYER LABORATORIES, INC., Myerstown, Pennsylvania

(See also Vitamin Carriers)

Flav-A-Dee

THE GEO. WIEDEMANN BREWING CO., 601 Columbia St.,  
 Newport, Kentucky

Brewers Dried Grain



THE WILLIAMS BROS. CO., Kent, Ohio

Pure Ohio Wheat Bran

WILSON'S CORN PRODUCTS, INC., East 4th St., Rochester, Ind.

Wilson Hominy Feed

WINTER GARDEN CITRUS PRODUCTS COOPERATIVE, Winter Garden, Florida

Wholesun Dried Citrus Pulp

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

(See also Vitamin Carriers)

Apex 16% Dairy Feed 587 E

Big W 16 Dairy Feed 552 F

Big W 20 Dairy Feed 554 F

Big Y Veal Formula

Hominy Feed

O. P. M. Scratch 467 T

Wirthmore Baby Chick Scratch 463 A

Wirthmore 36% Breeder Concentrate 294 A

Wirthmore Breeder Mash 274A

Wirthmore Calf Starter 572 A

Wirthmore Chick Starter 101 A

Wirthmore Chick Starter SQ 103 A

Wirthmore Chick Starter 104 A-Medicated

Wirthmore Coarse Test Dairy Feed 518 A

Wirthmore Coccidiosis Treatment Ration 415 A

Wirthmore Commercial Hi-Ener-G Breeder Med. 261 B

Wirthmore Complete Breeder Ration 264 A

Wirthmore Complete Growing Ration 205 A

Wirthmore Complete Growing Ration 206 A-Medicated

Wirthmore Complete Turkey Breeder Ration 371 A

Wirthmore Complete Turkey Fattening Ration 361 A

Wirthmore Complete Turkey Fattening Ration 362 A-Med.

Wirthmore Complete Turkey Growing Ration 341 A

Wirthmore Complete Turkey Growing Ration 342 A-Med.

Wirthmore 32 Dairy Concentrate 569 A

Wirthmore 36% Dairy Mixing Feed 564 A

Wirthmore .007% Dienestrol Diacetate Mixture in Wirthmore Finisher Medicated 185 A

Wirthmore Duck Growing 452 A

Wirthmore Fodder Greens 581 A

Wirthmore Game Bird Grower Ration 322 A

Wirthmore Game Bird Starter 313 A Medicated

Wirthmore Grow & Egg Mash 245 A

Wirthmore Grow & Egg Mash 250 A-Medicated

Wirthmore Hi-Cal Broiler Finisher 147 A Medicated

Wirthmore Hi-Cal Broiler Starter 124 A Medicated

Wirthmore 14 Hi-Cal Pellets Dairy Feed 531 A

Wirthmore 16 Hi-Cal Pellets Dairy Feed 532 A

## WIRTHMORE FEEDS INC. -Cont.

Wirthmore 18 Hi-Cal Pellets Dairy Feed 533 A  
Wirthmore Hi-Cal Roaster Finisher 178 A Medicated  
Wirthmore Hi-Ener-G 16 220 A  
Wirthmore Hi-Ener-G 17 237 A  
Wirthmore Hi-Ener-G Breeder-Medicated 261 A  
Wirthmore Hi-Ener-G Broiler Ration 140 A  
Wirthmore Hi-Ener-G Broiler Ration 141 A Medicated  
Wirthmore Hi-Ener-G 16 Layer-Medicated 231 A  
Wirthmore Hi-Ener-G 17 Layer-Medicated 238 A  
Wirthmore Hog Grower 722 A  
Wirthmore Horse Feed 811 A  
Wirthmore Horse Perksies 817 A  
Wirthmore Meatless Mink Food 842 A  
Wirthmore Medicated Ketrol 576 A  
Wirthmore Medicated Quick Perk 412 A  
Wirthmore Medicated Quickies 423 A  
Wirthmore Medicated Treat 414 A  
Wirthmore Medicated Turk-E-Perk 314 A  
Wirthmore Milk Mizer 517 A  
Wirthmore Mink Food 841 A  
Wirthmore New Hope Complete Horse Feed 813 A  
Wirthmore Original New Hope Horse Feed 815 A  
Wirthmore Pig and Sow Feed 721 A  
Wirthmore Pig Starter-Medicated 711 A  
Wirthmore 36% Poultry Concentrate 291 A  
Wirthmore Poultry Fitting 418 A  
Wirthmore Poultry Wormer 416 A  
Wirthmore 14 Pro-Cal Dairy Feed 536 A  
Wirthmore 16 Pro-Cal Dairy Feed 538 A  
Wirthmore 20 Pro-Cal Dairy Feed 539 A  
Wirthmore Pullet Developer 202 A  
Wirthmore Rabbit Pellets 831 A  
Wirthmore Rabbit Pellets 832 A Medicated  
Wirthmore 14 Record Dairy Feed 517 A  
Wirthmore 16 Record Dairy Feed 512 A  
Wirthmore 20 Record Dairy Feed 519 A  
Wirthmore 14 Record Fitting and Calving Feed 516 A  
Wirthmore Scratch 461 A  
Wirthmore Stable Mate Complete Horse Feed 816 A  
Wirthmore Stock Primer 616 A  
Wirthmore Super Pellets 411 A  
Wirthmore 16 Test Dairy Feed 514 A  
Wirthmore Turkey Growing Ration 321 A  
Wirthmore Turkey Growing Ration 323 A-Medicated  
Wirthmore Turkey Starter A 315 A Medicated  
Wirthmore Twin Mix Calf Feed 573 A  
Wirthmore 16 Ultra-Cal Pellets Dairy Feed 537 A

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.

Big (Y) Caged Layer Ration  
Big (Y) Calf and Beef Ration  
Big (Y) Calving Ration

## THE YANTIC GRAIN &amp; PRODUCTS CO. -Cont.

Big (Y) Cavalier Horse Feed  
Big (Y) Chick Scratch Grain  
Big (Y) Chlortetracycline Mixture (Aureomycin)  
Big (Y) Complete Calf Starter and Builder  
Big (Y) Complete Grower Layer Mash  
Big (Y) Confinement Growing Mash  
Big (Y) Controlled Growing Ration  
Big (Y) Chlortetracycline (Aureomycin) Mixture  
Big (Y) Dairy & Fitting Ration  
Big (Y) 16% Dairy Ration  
Big (Y) 18% Dairy Ration  
Big (Y) 20% Dairy Ration  
Big (Y) Dairy Ration Purity 14  
Big (Y) Dairy Ration Purity 16  
Big (Y) Dairy Supplement 32%  
Big (Y) Extra Production Laying Mash  
Big (Y) Hi-Efficiency Breeder Ration  
Big (Y) Hi-G-Dairy Ration  
Big (Y) Hi-G-Dairy Ration 20%  
Big (Y) Hi-G Scratch Feed  
Big (Y) High Efficiency Grower  
Big (Y) Hog & Pig Ration  
Big (Y) Horse Feed  
Big (Y) Improved Al-Mo  
Big (Y) Improved Broiler Finisher Medicated (Amprolium)  
Big (Y) Improved Broiler Ration (Medicated)  
Big (Y) Intermediate Chick Grain  
Big (Y) 20% Laying Mash  
Big (Y) M and O Growing Feed  
Big (Y) Peerless Broiler Ration (Medicated)  
Big (Y) Producto Pels  
Big (Y) Purity Dairy Ration  
Big (Y) Rabbit Pellets  
Big (Y) Scratch Feed  
Big (Y) Sheep and Goat Feed  
Big (Y) Super Starter-Broiler Ration  
Big (Y) Super Starter Ration Medicated  
Big (Y) Test Cow Ration  
Big (Y) Turkey Fattener  
Big (Y) Turkey Growing Feed

MEYER ZAUSNER INC., New Holland, Lancaster County, Penn.

Zausner Condensed Whole Whey

### WITAMIN CARRIERS

AGWAY, INC., Feed Division, P.O. Box 128, 560 Delaware Ave.,  
Buffalo, New York 14240

(See also Feeds)

Calf Saver Tablets

CLINTON CORN PROCESSING CO., a Division of Standard Brands  
Incorporated, Box 340, Clinton, Iowa 52733

(See also Feeds)

Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

COMMERCIAL SOLVENTS CORPORATION, Terre Haute, Indiana

Perma-D 3 D<sub>3</sub>

Perma-Dual 30 A

Perma-E 20 E

Perma-Mix C. C. C. No. 1

Perma-Mix C. C. C. No. 2

Perma-Mix C. C. C. No. 3

Perma-Mix C. C. C. No. 4 Broilers

Perma-Mix Turkey Premix No. 5

Perma-Mix Turkey Pre-Mix No. 6

Premix 2-4-9-10

Pro-Strep and Vitamin A Premix

DAWNWOOD FARMS, Wassaic, New York

(See also Feeds)

Dawnwood Farms Caf-Star

Dawnwood Farms HI-FAT CAF-STAR

JOHN G. EWING COMPANY, La Salle, Colorado

Formula 707 Conditioner

THE RAY EWING CO., Div. of Hoffmann-LaRoche, Inc., 2690 E.  
Foothill Blvd., Pasadena, California

All Mash Pre Mix

THE FOX COMPANY, Newfield, New Jersey

Foxco Qualadee 300-D-2250-A Quality Vitamin A&D Oil

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston 29, Mass.

(See also Feeds)

Hood Poultry Feed-Pep-Lac

Hood Whey-Lac Poultry Feed

INTERNATIONAL MINERALS & CHEMICAL CORP., Old Orchard  
Road, Skokie, Illinois

(See also Feeds)

Vitamin B<sub>12</sub> Supplement

INTERNATIONAL STOCK FOOD CORPORATION, 533 Broad St.,  
Waverly, New York

Rumen Bacteria and Nux Vomica Mix Incorporated in I. S. F.  
Cattle Special

Rumen Bacteria Mix Incorporated in I. S. F. Grow-Em Milk  
Replacer

KRAFT FOODS (Div. National Dairy Prod Corp.), 99 Park Ave.,  
New York 16, New York

(See also Feeds)

KAFF-A Feed Booster Pellets for Heifers, Cows, Beef  
Cattle, Lambs and Sheep

KAFF-A Milk Replacer for Calves Medicated

Pace Feed Booster Pellets for Horses, Ponies, & Colts

PEX Condensed for Poultry

PEX Feed Booster Pellets for Layers & Breeders

PEX Self Feeder Block for Poultry

MERCK & CO., INC., Chemical Division, Rahway, New Jersey

(See also Feeds)

Improved Premix - Medicated  
No. 659 Vitamin Mixture

MILK SPECIALTIES, INC., Washington & Illinois St., Dundee, Ill.

(See also Feeds)

Dari-Dri Veal Formula

MYZON LABORATORIES, 6320 Kansas Ave., Kansas City, Kansas

Myzon Poultry Builder

NOPCO CHEMICAL CO., 60 Park Place, Newark, New Jersey

Nopdex "3000"

Nopco-Pak Hi-Lay Premix

Nopco-Pak Super Premix

CHAS. PFIZER & CO., INC., 235 East 42nd St., New York, N. Y.

(See also Feeds)

Yantic High Lay Premix

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Missouri

(See also Feeds)

Purina Cattle-Plus <sup>TM</sup>



RALSTON PURINA CO. -Cont.

Purina Horse-Plus<sup>TM</sup>

WHITMOYER LABORATORIES, INC., Myerstown, Pennsylvania

(See also Feeds)

Derby All-Purpose Premix

Flav-A-Dee

Whitmoyer 150D - 1500A Pure Cod Liver Oil

## SUMMARY OF INSPECTION

In the calendar year 1964, a total of 1245 samples was examined. This total included official samples of commercial feeds, concentrates of vitamin D and other vitamins, and miscellaneous materials, as shown in the following summary:

Biological specimens analyzed for poison	163
Check feeds, A. A. F. C. O., etc.	9
Commercial feeding stuffs, official samples	630
Feed stuffs, etc., for Storrs Station	292
Miscellaneous feeds, etc., analyzed for purchasers	112
Vitamin Carriers	39
	<hr/>
	1,245

The samples examined for Storrs Station were submitted in connection with investigations of that Station, and are not discussed in this report.

## Commercial Feeding Stuffs

Results of our analyses of the official samples can be summarized as follows:

Total number of samples		630
Samples deficient in:		
One item	48	
Two items	<u>4</u>	52
Percentage of samples meeting guaranties		92
Total guaranties made		2,073 <sup>2</sup>
<u>Guaranties not met:</u>		
protein	12	
fat	25	
fiber	13	
arsanilic acid	1	
furazolidone	3	
sulfaquinoxaline	1	
zoalene	<u>1</u>	56
Percentage of guaranties met		97

Analyses are given in Table 1; deficiencies are shown by wavy underlining (~~~~). Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and 20 per cent of guaranty for drugs.

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<sup>2</sup> One sample with six guaranties, 27 with five guaranties, 107 with four guaranties, 497 with three guaranties, five with two guaranties, three with one guaranty, and nine with no guaranty (guaranties for undetermined medicants not included).

## Vitamin Carriers

Thirty-nine samples of vitamin concentrates were examined. Assays were as follows: Eighteen for vitamin D only by the A.O.A.C. chick method; 16 for vitamin D, niacin, riboflavin and pantothenic acid; two for niacin, riboflavin and pantothenic acid only; two for folic acid, niacin, riboflavin, pantothenic acid and thiamine; and one for those five vitamins plus vitamin B<sub>12</sub>. Results of all assays are given in Table 2.

Only one sample was definitely deficient in vitamin D. On the basis of a plus-or-minus twenty per cent tolerance, the numbers of samples containing too little or too much of the other vitamins were:

<u>Too high or too low in</u>	<u>No. of samples</u>
Niacin, pantothenic acid, thiamine and vitamin B <sub>12</sub>	1
Niacin, pantothenic acid and riboflavin	1
Niacin and pantothenic acid	1
Niacin	1
Pantothenic	1
	<hr/> 5

Of the total of 39 samples, 33, or 85 per cent, met all guaranties.

## Miscellaneous Feeds

One hundred and twelve unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers and consumers samples of hay and silage for farmers, and miscellaneous materials suspected of having poisoned livestock or pets. There were also 11 samples of alfalfa, beet pulp, grain, hay and silage submitted by the State Department of Agriculture to check on possible sources of heptachlor and its epoxide in the milk of four dairy farms.

No definitely deleterious substance was found in any commercial feed and the only samples found to contain a possibly significant proportion of any poison were the following:

3716. First Growth Sorghum. Beaumont Farm, Wallingford, Conn. Hydrocyanic acid present.

4038. Weeds from Hay. Howard Kemmerer, Wallingford, Conn. These weeds contained a considerable proportion of wild cherry leaves and twigs.

Traces of heptachlor and epoxide were found in two samples of alfalfa, three of beet pulp from Manitoba, and four of hay. The proportions of these insecticides present (in parts per million) ranged from 0.006 heptachlor and 0.027 heptachlor epoxide in one sample of beet pulp to no heptachlor and 0.09 heptachlor epoxide in one hay sample. While these amounts are low, considering that the tolerances for heptachlor and its epoxide in milk are zero,

any dairy farmer who fed these materials to his cows would be taking a chance of having his milk taken off the market.

In addition to the above samples, traces of pesticides were found in the following:

4096. Apple Pomace. Schanz Farm, Inc., Northford, Conn. DDE, 0.19; DDT, 1.40; deildrin, 0.21; TDE, 0.94; and tedion, 0.39, p.p.m.

2986. Mixed Oats, Weeds and Alfalfa. John Bugai, Durham, Conn. DDT, 0.04; diieldrin, 0.04; heptachlor, 0.03; and heptachlor epoxide, 0.12, p.p.m.

### Biological Specimens Examined for Poisons

One hundred and sixty-three biological specimens, mostly of domestic animals, were submitted for examination because of suspected poisoning. In 39 of them poisonous substances were present in sufficient quantity to suggest possible causes of illness or death.

The poisonous materials, and the numbers of specimens in which they were found, are summarized as follows: Arsenic (1); arsenic with lead (lead arsenate), antimony and bismuth (1); asphalt with barium (1); cadium with lead and an unidentified alkaloid (1); chlordane (1); cyanide (1); DDT (5); ethylene glycol (2); lead (10); lead with mercury and an unidentified alkaloid (1); lead with styrychine (1); mercury (4); nitrate (1); strychnine (1); sulfaquinoxaline (1); thallium (2); unidentified alkaloids (4); and zirconium (1).

### Check Feeds

Nine feeds were analyzed in the check feed program sponsored by the Association of America Feed Control Officials.





TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
	ACME-EVANS CO. (Division of General Grain Inc.), Indianapolis, Ind.			
3829	Acme Wheat Middlings-- Ground Wheat Screenings	10.92	14.00	15.50
3497	Acme Yellow Hominy Feed	10.66	9.00	10.00
	AGWAY, INC., Syracuse, N.Y.			
4445	Agway Booster Bits Medicated	10.21	16.00	17.50
3881	Agway Bulky (Roughage Ex- tender)	11.56	12.00	12.25
3613	Agway Calf Grower	11.66	18.00	19.00
3739	Agway Cashmaker Medicated	11.99	16.00	17.00
3946	Agway Cashmaker 17 (A) Med.	10.37	17.00	20.00
3614	Agway Champion	13.56	14.00	14.25
3861	Agway Compact 16 Pellets ESM	10.62	16.00	18.00
3611	Agway Dairypels 16	10.71	16.00	17.25
3615	Agway DFE	11.49	12.00	14.50
4207	Agway Dienestrol Diacetate Mixture Lipamone Roaster 1/2-Med. Incorporin Roaster Finisher	10.68	16.00	19.50
4213	Agway Egg Producer 21-(A) Med. (Laying Mash)	10.42	21.00	27.50
3742	Agway ES-GRO-BITS (A) Med.	11.42	14.50	15.00
3743	Agway ES-LAY-BITS (A) Med.	10.20	16.00	16.50
3688	Agway Fulpail	11.60	20.00	20.00
4212	Agway Game & Turkey Grower (Pellets)	10.80	21.00	21.00
3552	Agway Glen-Haven Demand Horse Feed	11.33	12.00	13.75
3953	Agway Gro-Bits-WM Med.	11.07	16.00	17.25
3864	Agway Hog Feed	11.13	14.00	15.50

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                                                                              |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                                                        |
| 3.00                                | 4.28  | 9.50                                | 7.02  |                                                                                                                                                                        |
| 7.00                                | 7.74  | 6.00                                | 4.66  |                                                                                                                                                                        |
| 4.00                                | 5.60  | 4.50                                | 3.14  | Furazolidone: Guar., 0.0220%;<br>found, 0.0204%.                                                                                                                       |
| 3.00                                | 3.01  | 13.00                               | 11.62 |                                                                                                                                                                        |
| 3.50                                | 4.12  | 7.00                                | 5.98  |                                                                                                                                                                        |
| 4.00                                | 5.73  | 3.50                                | 3.14  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0103%.                                                                                                                     |
| 4.00                                | 5.53  | 4.00                                | 2.73  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0118%.                                                                                                                       |
| 2.50                                | 2.96  | 7.00                                | 4.80  |                                                                                                                                                                        |
| 3.00                                | 4.52  | 9.00                                | 7.62  |                                                                                                                                                                        |
| 3.00                                | 4.91  | 9.00                                | 7.67  |                                                                                                                                                                        |
| 2.50                                | 3.71  | 10.00                               | 8.74  |                                                                                                                                                                        |
| 3.50                                | 5.58  | 4.00                                | 2.95  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0132%.<br>Dienestrol diacetate: Guar.,<br>0.0035%; found, 0.0038%.<br>Arsanilic acid: Guar., 0.0160%;<br>found, 0.0090%. |
| 4.00                                | 4.73  | 4.00                                | 3.10  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0092%.                                                                                                                       |
| 4.00                                | 5.26  | 6.00                                | 4.51  | Arsanilic acid: Guar., 0.010%;<br>found, 0.0094%.                                                                                                                      |
| 4.00                                | 4.52  | 4.00                                | 3.20  |                                                                                                                                                                        |
| 3.00                                | 4.21  | 8.00                                | 6.09  | Bacitracin: Guar., 5 gm/ton;<br>not determined.                                                                                                                        |
| 3.50                                | 4.47  | 4.50                                | 3.02  |                                                                                                                                                                        |
| 2.50                                | 3.38  | 15.00                               | 12.82 |                                                                                                                                                                        |
| 3.50                                | 4.90  | 5.00                                | 3.95  | Amprolium: Guar., 0.004%;<br>found, 0.0041%.                                                                                                                           |
| 3.00                                | 4.58  | 5.00                                | 4.61  |                                                                                                                                                                        |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                  | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|-------------|-----------------------------------------|---------------|-------------------------------------|--------------|
|             |                                         |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 3880        | Agway Hominy Feed                       | 11.66         | 10.00                               | 11.25        |
| 4441        | Agway Medicated Defender                | 9.96          | 16.00                               | 17.25        |
| 4007        | Agway Medicated Sentinel                | 11.08         | 16.00                               | 16.00        |
| 3879        | Agway Milkerpels 16                     | 11.38         | 16.00                               | 17.75        |
| 4136        | Agway Milkerpels 16 WA Med.             | 10.56         | 16.00                               | 17.25        |
| 3912        | Agway Milkmore 16 ESM                   | 12.91         | 16.00                               | 16.00        |
| 3686        | Agway Milksaver                         | 6.50          | 24.00                               | 26.00        |
| 3947        | Agway Pacemaker Medicated               | 11.16         | 20.00                               | 21.75        |
| 4214        | Agway Pacemaker Starter(B)<br>Medicated | 11.71         | 21.00                               | 22.75        |
| 4210        | Agway Pel-Lay Medicated                 | 10.22         | 16.00                               | 17.50        |
| 3721        | Agway Pork Builder                      | 10.97         | 14.00                               | 14.75        |
| 4008        | Agway Pork Gainer Medicated             | 10.19         | 16.00                               | 17.25        |
| 4215        | Agway Pork Mix                          | 9.09          | 40.00                               | 40.75        |
| 3945        | Agway Pullet Grower 20 (A)<br>Medicated | 10.42         | 20.00                               | 22.75        |
| 4440        | Agway Rabbettes Medicated               | 9.70          | 15.00                               | 15.00        |
| 4175        | Agway Roaster Finisher Med.             | 10.67         | 18.00                               | 19.75        |
| 4013        | Agway Sentinel Bits Medicated           | 10.81         | 16.00                               | 17.00        |
| 3914        | Agway Sow & Pig Supplement              | 9.57          | 36.00                               | <u>32.50</u> |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 5.00                                | 6.24  | 6.00                                | 4.74  |   |
| 3.50                                | 4.56  | 5.00                                | 4.22  | Furazolidone: Guar., 0.0220%;<br>found, 0.0235%.  |
| 3.50                                | 4.34  | 5.00                                | 4.12  | Oxytetracycline hydrochloride:<br>Guar., 0.1 gm/lb.; found,<br>0.101 gm/lb.                                   |
| 3.50                                | 5.80  | 8.00                                | 7.99  |   |
| 3.50                                | 3.84  | 8.00                                | 8.01  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.01 gm/lb. ;<br>found, 0.009 gm/lb.                             |
| 3.00                                | 4.13  | 10.00                               | 7.86  |   |
| 5.00                                | 5.11  | 1.50                                | 0.85  |   |
| 4.00                                | 5.11  | 4.00                                | 3.09  | Amprolium: Guar., 0.004%;<br>found, 0.0043%.  |
| 4.00                                | 4.18  | 3.50                                | 2.66  |   |
| 3.50                                | 4.67  | 4.00                                | 2.90  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0100%.  |
| 3.00                                | 4.18  | 3.50                                | 2.79  |   |
| 4.50                                | 5.48  | 4.00                                | 2.86  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0090%. Hygro-<br>mycin B: Guar., 0.006 gm/lb.;<br>not determined. |
| 1.50                                | 5.16  | 5.50                                | 3.96  | Bacitracin: Guar., 37.5 gm/lb.;<br>not determined. Penicillin:<br>Guar., 7.5 gm/ton; not<br>determined.       |
| 4.00                                | 4.98  | 6.50                                | 5.38  | Arsanilic acid: Guar.,<br>0.0160%; found, 0.0142.   |
| 2.50                                | 3.71  | 5.00                                | 4.26  | Furazolidone: Guar., 0.0055%;<br>found, 0.0063%.  |
| 4.00                                | 5.13  | 3.50                                | 3.08  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%. Ethopabate:<br>Guar., 0.00040%; found,<br>0.00039%.             |
| 4.00                                | 5.01  | 4.00                                | 3.33  | Oxytetracycline hydrochlor-<br>ide: Guar., 200 gm/ton; found,<br>198 gm/ton.                                  |
| 2.00                                | 3.09  | 6.00                                | 4.48  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.  | Manufacturer and brand                        | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|--|---|---------------|-------------------------------------|-------|
|  |   |               | Guaran-<br>teed not<br>less<br>than | Found |
| 4015   | Agway Squealer Medicated<br>(Pig Starter)     | 10.41         | 18.00                               | 19.50 |
| 3551   | Agway Super Test Feed                         | 12.32         | 16.00                               | 17.00 |
| 4019   | Agway Turkey Finisher                         | 11.34         | 16.00                               | 17.25 |
| 3862   | Agway Turkey Finisher<br>(Pellets)            | 10.31         | 16.00                               | 18.00 |
| 3713   | Agway Turkey Grower                           | 10.50         | 20.00                               | 21.50 |
| 3954   | Agway Turkey Starter Med.                     | 11.27         | 28.00                               | 28.00 |
| 4006   | Agway Veal-N-Gro Milk Re-<br>placer Medicated | 5.28          | 24.00                               | 24.50 |
| 3499   | Bloomfield Hominy Mix                         | 13.93         | 8.00                                | 10.00 |
| 2693   | Calfsaver Tablets                             | ....          | ....                                | ....  |
| 3712   | Supmix  | 9.82          | 36.00                               | 36.50 |
| 3714   | Tastibulk                                     | 12.50         | 9.50                                | 11.75 |
| ALBERS MILLING CO. (Div.<br>of Carnation Co.), Los<br>Angeles 36, Calif. |   |               |                                     |       |
| 4280   | Albers Calf Manna                             | 10.76         | 25.00                               | 25.00 |
| 3973   | Albers Rabbit Breeder Paks                    | 8.91          | 15.00                               | 15.50 |
| 3547   | Albers Sho-Glo                                | 10.44         | 22.00                               | 23.00 |
| 4281   | Albers Spur                                   | 10.10         | 25.00                               | 25.00 |
| 3548   | Albers Suckle                                 | 8.16          | 24.00                               | 25.25 |
| 4003   | Albers Suckle Medicated                       | 5.99          | 24.00                               | 27.00 |
| 4282   | Albers Veal Glo                               | 4.91          | 22.00                               | 23.00 |



Indicates deficiencies.



## INSPECTION OF 1964

| Fat                                 |              | Fiber                               |       | Medicants   |
|-------------------------------------|--------------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found        | Guaran-<br>teed not<br>more<br>than | Found |   |
| 2.50                                | 2.76         | 2.00                                | 2.76  | Chlortetracycline hydrochlor-<br>ide: Guar., 100 gm/ton; found,<br>106.0 gm/ton. Penicillin:<br>Guar., 50 gm/ton; not<br>determined. Sulfamethazine:<br>100 gm/ton; not determined. |
| 4.50                                | 4.81         | 8.00                                | 7.31  | Bacitracin: Guar., 0.5 gm/ton;<br>not determined.   |
| 3.50                                | 4.86         | 4.00                                | 2.93  |   |
| 3.50                                | 4.69         | 4.00                                | 3.25  | Amprolium: Guar., 0.0125%;<br>found, 0.0101%.<br>Chlortetracycline hydrochlor-<br>ide: Guar., 0.025 gm/lb.;<br>found, 0.029 gm/lb.  |
| 3.50                                | 4.46         | 4.50                                | 3.53  |   |
| 3.00                                | 4.04         | 4.00                                | 2.98  |   |
| 20.00                               | <u>17.82</u> | 0.25                                | 0.29  |   |
| 4.00                                | 5.83         | 6.00                                | 4.58  | Chlortetracycline hydrochlor-<br>ide: Guar., 18 mgms/tablet;<br>found, 19.71 mgms/tablet.<br>Niacin: Guar., 50 mgms/tablet;<br>found, 61.03 mgms/tablet.                            |
| ....                                | ....         | ....                                | ....  |   |
| 1.50                                | 3.50         | 8.00                                | 7.05  |   |
| 2.00                                | 3.21         | 10.00                               | 6.88  |   |
| 3.00                                | 3.64         | 6.00                                | 5.37  |   |
| 2.00                                | 2.94         | 22.00                               | 21.97 |   |
| 5.00                                | <u>3.97</u>  | 7.00                                | 5.58  |   |
| 2.00                                | <u>2.52</u>  | 13.00                               | 11.02 |   |
| 5.00                                | 6.04         | 1.00                                | 0.61  |   |
| 10.00                               | <u>8.89</u>  | 1.00                                | 0.62  |   |
| 20.00                               | <u>17.92</u> | 1.00                                | 0.22  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                               | Mois-<br>ture | Protein<br>(N x 6.25)               |        |
|-------------|--|---------------|-------------------------------------|--------|
|             |  |               | Guaran-<br>teed not<br>less<br>than | Found  |
|             | ALLIED MILLS, INC.,<br>Chicago, Ill.                 |               |                                     |        |
| 4337        | Wayne Rabbit Ration 8600-00                          | 9.81          | 17.00                               | 18.00  |
|             | AMBURGO MFG. CO., INC.,<br>Hope, Ind.                |               |                                     |        |
| 4342        | Amburgo Sard-X Dehydrated<br>Fish Solubles           | 4.35          | 60.00                               | 63.50  |
|             | AMERICAN CRYSTAL SUGAR<br>CO., E. Grand Forks, Minn. |               |                                     |        |
| 4056        | Dried Beet Pulp with Beet<br>Molasses                | 8.81          | 9.50                                | 9.50   |
| 3902        | Plain Dried Beet Pulp                                | 9.03          | 8.50                                | 10.00  |
|             | AMERICAN CYANAMID CO.,<br>Princeton, N. J.           |               |                                     |        |
| 3545        | Cyrea Urea Feed Compound                             | ....          | 262.00                              | 265.63 |
|             | AMERICAN FEED CO., New<br>York 53, N. Y.             |               |                                     |        |
| 3496        | Afco Brand Dried Bakery<br>Product                   | 10.64         | 9.50                                | 11.75  |
|             | AMERICAN MAIZE-PROD.<br>CO., New York, N. Y.         |               |                                     |        |
| 3567        | Amaizo Gluten Meal                                   | 10.96         | 41.00                               | 44.13  |
|             | ATLANTIC PROCESSING CO.,<br>Amagansett, N. Y.        |               |                                     |        |
| 4157        | Smith's Lifeline Fish Meal                           | 8.21          | 60.00                               | 69.00  |

## INSPECTION OF 1964

| Fat                                 |                 | Fiber                               |       | Medicants |
|-------------------------------------|-----------------|-------------------------------------|-------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found           | Guaran-<br>teed not<br>more<br>than | Found |           |
| 2.00                                | 3.56            | 15.00                               | 12.37 |           |
| 6.00                                | 11.00           | 2.00                                | 0.36  |           |
| 0.30                                | 0.72            | 19.00                               | 16.91 |           |
| 0.30                                | 0.81            | 22.00                               | 21.22 |           |
| ....                                | ....            | ....                                | ....  |           |
| 8.00                                | <del>7.50</del> | 2.00                                | 1.46  |           |
| 1.00                                | 1.48            | 6.00                                | 3.53  |           |
| 5.00                                | 7.22            | 3.00                                | 0.44  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---|---------------|-------------------------------------|-------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | BEACON FEEDS, Beacon Div.<br>of Textron Inc., Cayuga,<br>N. Y.          |               |                                     |       |
| 3894        | Beacon Brisk Complete Horse<br>Feed                                     | 11.31         | 12.50                               | 12.75 |
| 3961        | Beacon Broiler Finisher App<br>Medicated                                | 11.12         | 20.00                               | 21.50 |
| 3761        | Beacon Calf Grow  | 11.21         | 17.00                               | 17.25 |
| 3549        | Beacon Chinchilla Pellets   | 10.42         | 19.00                               | 19.50 |
| 3924        | Beacon "15" Coarse Test Cow<br>Ration                                   | 13.01         | 15.00                               | 15.00 |
| 3896        | Beacon Complete Rabbit<br>Pellets                                       | 10.34         | 17.00                               | 17.00 |
| 3960        | Beacon Complete Starter AP<br>Medicated                                 | 11.16         | 22.00                               | 24.75 |
| 3757        | Beacon Dairy Fitting  | 11.67         | 14.00                               | 14.00 |
| 4209        | Beacon 0.007% Dienestrol<br>Diacetate Mix in Beacon<br>Poultry Finisher | 12.18         | 15.00                               | 16.75 |
| 3746        | Beacon Egg Mate A Med.  | 10.22         | 16.00                               | 16.00 |
| 3891        | Beacon Grain Mate   | 13.12         | 20.00                               | 20.25 |
| 3897        | Beacon Grower All-Mash  | 11.24         | 16.00                               | 16.50 |
| 3923        | Beacon Hi-Energy "18" Test<br>Pel-ets                                   | 12.66         | 18.00                               | 19.50 |
| 3917        | Beacon Hi-Pro Duck Grower<br>Finisher                                   | 12.47         | 18.00                               | 19.50 |
| 3895        | Beacon Milk Check Coarse<br>"16"  | 11.22         | 16.00                               | 16.00 |
| 4436        | Beacon Rumentrol Medicated  | 10.79         | 16.00                               | 17.00 |
| 3959        | Beacon Starter-Broiler APP<br>Medicated                                 | 11.43         | 23.00                               | 26.00 |
| 3893        | Beacon Tally-Ho-Horse Feed  | 13.21         | 11.00                               | 11.50 |
| 3919        | Beacon "16" Test Cow Ration   | 12.63         | 16.00                               | 16.50 |
| 3915        | Beacon "18" Test Cow Ration   | 13.57         | 18.00                               | 18.25 |
| 3921        | Beacon Turkey Fattener All-<br>Mash (Pellets)                           | 11.96         | 15.00                               | 17.00 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 2.50                                | 2.73  | 18.00                               | 15.04 |  |
| 6.00                                | 8.15  | 3.50                                | 2.73  | Amprolium: Guar., 0.0125%;<br>found, 0.0144%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00044%. |
| 3.00                                | 3.79  | 8.00                                | 6.41  |  |
| 2.50                                | 4.31  | 14.00                               | 12.40 |  |
| 4.00                                | 4.08  | 7.50                                | 6.24  |  |
| 3.50                                | 3.79  | 13.00                               | 12.46 |  |
| 3.50                                | 4.09  | 5.00                                | 2.89  | Amprolium: Guar., 0.008%;<br>found, 0.0090%.   |
| 3.50                                | 4.84  | 8.00                                | 6.67  |  |
|                                     |       |                                     |       | Dienestrol Diacetate: Guar.,<br>0.0070%; found, 0.0065%.   |
| 4.00                                | 8.09  | 4.50                                | 2.59  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0108%.   |
| 3.00                                | 4.58  | 5.00                                | 4.10  | Arsanilic acid: Guar., 0.009%;<br>found, 0.0083%.  |
| 3.50                                | 4.01  | 6.00                                | 3.59  |  |
| 3.50                                | 4.00  | 6.00                                | 4.81  |  |
| 4.25                                | 4.65  | 7.00                                | 7.08  |  |
| 3.00                                | 3.38  | 5.00                                | 3.36  |  |
| 3.75                                | 4.91  | 9.00                                | 8.61  |  |
| 3.50                                | 3.91  | 8.00                                | 5.85  |  |
| 5.00                                | 6.17  | 3.50                                | 2.65  | Amprolium: Guar., 0.0125%;<br>found, 0.0141%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00034%. |
| 3.00                                | 2.87  | 8.00                                | 6.00  |  |
| 4.00                                | 5.14  | 8.00                                | 6.11  |  |
| 4.00                                | 4.30  | 8.00                                | 6.57  |  |
| 3.00                                | 5.54  | 5.50                                | 2.98  |  |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                     | Manufacturer and brand                          | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|---|---|---------------|-------------------------------------|--------------|
|   |   |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 3918  | Beacon Turkey Finisher All-Mash                 | 11.32         | 18.00                               | 20.25        |
| 4404  | Beacon Turkey Finisher All-Mash C Medicated     | 10.59         | 18.00                               | 19.75        |
| 3898  | Beacon "20" Turkey & Game Bird Grower           | 11.67         | 20.00                               | 20.00        |
| 4392  | Beacon "20" Turkey Grower C Medicated (Pellets) | 11.54         | 20.00                               | 20.00        |
| 3958  | Beacon Turkey Starter AP Medicated              | 10.66         | 28.00                               | 29.75        |
| 3759  | Be-Co Grower                                    | 10.31         | 14.00                               | 14.00        |
| 3916  | Be-Co-Nurse Milk Replacer                       | 4.91          | 20.00                               | 21.75        |
| 3758  | Linseed Oil Meal                                | 11.27         | ....                                | 36.00        |
| 3922  | Pro-Pel "16" Dairy                              | 10.61         | 16.00                               | 17.25        |
| 3760  | 50% Soybean Meal                                | 10.46         | ....                                | 49.25        |
| THE BERKMAN GRAIN CO.,<br>North Franklin, Conn. |   |               |                                     |              |
| 4076  | Nibco 18% Dairy Ration                          | 12.25         | 18.00                               | <u>15.50</u> |
| 4077  | Nibco Fitting Ration                            | 11.76         | 14.00                               | <u>13.25</u> |
| 4107  | Nibco Five Star Lo Color                        | 10.16         | 18.00                               | 18.00        |
| 4108  | Nibco Five Star Roaster                         | 11.23         | 16.00                               | 18.00        |
| 4396  | Nibco Five Star Super Starter                   | 11.36         | 25.00                               | 24.25        |
| 4109  | Nibco Five Star Super Starter                   | 10.74         | 25.00                               | 25.00        |
| 4106  | Nibco Five Star Weight Maker                    | 10.85         | 22.00                               | 22.00        |
| 4395  | Nibco Five Star Weight Maker                    | 11.24         | 22.00                               | 22.50        |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |             | Medicants                                                                          |
|-------------------------------------|-------|-------------------------------------|-------------|------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found       |                                                                                    |
| 3.00                                | 4.81  | 4.00                                | 2.57        |                                                                                    |
| 4.50                                | 4.23  | 3.50                                | 3.24        |                                                                                    |
| 3.00                                | 5.94  | 4.50                                | 3.21        | Chlortetracycline hydrochlor-<br>ide: Guar., 200 gms/ton;<br>found, 200.6 gms/ton. |
| 3.00                                | 3.61  | 6.00                                | 4.49        |                                                                                    |
| 3.00                                | 5.72  | 4.00                                | 2.69        | Sulfaquinoxaline: Guar.,<br>0.0150%; found, 0.0168%.                               |
| 4.50                                | 6.26  | 3.50                                | 1.95        | Nicarbazin: Guar., 0.010%;<br>found, 0.0114%.                                      |
| 3.50                                | 3.87  | 2.00                                | 1.10        | Chlortetracycline hydrochlor-<br>ide: Guar., 50 gms/ton;<br>found, 60.0 gms/ton    |
| 2.00                                | 4.14  | 5.00                                | 4.78        |                                                                                    |
| 3.50                                | 4.07  | 8.00                                | 7.03        |                                                                                    |
| 2.00                                | 3.58  | 8.00                                | <u>9.81</u> |                                                                                    |
| 3.00                                | 4.61  | 8.50                                | 5.86        |                                                                                    |
| 7.00                                | 7.56  | 15.00                               | 13.08       |                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|-----------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                           |               | Guaran-<br>teed not<br>less<br>than | Found |
| 3644        | Nibco High Energy Layer                                   | 11.57         | 16.00                               | 16.00 |
| 3646        | Nibco High Energy Laying &<br>Growing Mash                | 12.04         | 16.00                               | 16.25 |
| 4005        | Nibco Medicated Booster Feed                              | 11.03         | 20.00                               | 20.88 |
| 3645        | Nibco Pullet Builder                                      | 11.77         | 15.50                               | 15.50 |
| 3939        | Nibco Pullet Starter                                      | 12.20         | 20.00                               | 21.00 |
| 4206        | Nibco Special Five Star Lo<br>Color                       | 11.29         | 18.00                               | 18.25 |
|             | BLATCHFORD CALF MEAL<br>CO., Waukegan, Ill.               |               |                                     |       |
| 4098        | Blatchford's Calf Pab                                     | 5.09          | 25.00                               | 26.75 |
| 4074        | Blatchford's Calf Meal                                    | 9.54          | 24.00                               | 26.00 |
|             | BLOOMFIELD FARMERS<br>EXCHANGE INC.,<br>Bloomfield, Conn. |               |                                     |       |
| 3498        | Bloomfield 16% Dairy Ration                               | 12.96         | 16.00                               | 16.00 |
|             | BLUE RIVER FEED MILLS,<br>INC., Edinburg, Ind.            |               |                                     |       |
| 3920        | Horse Honey                                               | 10.32         | 12.00                               | 14.50 |
|             | BROOKLAWN GRAIN & FEED<br>CO., Bridgeport, Conn.          |               |                                     |       |
| 3673        | Brooklawn Dairy Ration                                    | 10.30         | 16.00                               | 18.25 |
|             | BROWN-FORMAN DISTILLERS<br>CORP., Louisville, Ky.         |               |                                     |       |
| 4315        | B F Corn Distillers Dried<br>Grains                       | 8.64          | 23.00                               | 26.75 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 3.00                                | 5.03  | 5.50                                | 3.39  |   |
| 3.00                                | 5.39  | 5.50                                | 3.73  | P-Ureidobenzeneearsonic acid:<br>Guar., 0.0375%; found,<br>0.0423%.   |
| 3.00                                | 4.29  | 5.50                                | 3.46  |   |
| 3.00                                | 4.88  | 5.50                                | 2.89  | P-Ureidobenzeneearsonic acid:<br>Guar., 0.0375%; found,<br>0.0441%.   |
| 3.50                                | 4.06  | 4.50                                | 3.41  | Amprolium: Guar., 0.0125%;<br>found, 0.0107%.   |
| 3.00                                | 6.03  | 8.00                                | 7.10  |   |
| 25.00                               | 24.54 | 0.25                                | 0.21  |   |
| ....                                | 2.73  | ....                                | 8.20  |   |
| 3.25                                | 3.69  | 11.00                               | 10.74 |   |
| ....                                | 3.29  | ....                                | 2.92  |   |
| 4.00                                | 3.52  | 8.00                                | 6.67  |   |
| 4.00                                | 4.04  | 8.00                                | 6.24  |   |
| 4.50                                | 5.85  | 3.50                                | 1.86  | Amprolium: Guar., 0.0125%;<br>found, 0.0139%.   |
| 4.50                                | 6.39  | 3.00                                | 2.20  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%.   |
| 7.00                                | 9.21  | 2.50                                | 2.23  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0044%. Nicarbazin:<br>Guar., 0.010%; found,<br>0.0114%.   |
| 7.00                                | 8.79  | 2.50                                | 2.42  | Amprolium: Guar., 0.0125%;<br>found, 0.0141%.   |
| 6.00                                | 9.59  | 2.50                                | 2.12  | Amprolium: Guar., 0.0125%;<br>found, 0.0111%.   |
| 6.00                                | 9.52  | 2.50                                | 2.08  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.005%. Nicarbazin:<br>Guar., 0.010%; found,<br>0.0112%. Dienestrol diace-<br>tate: Guar., 0.0023%; found,<br>0.0028%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand   | Protein<br>(N x 6.25) |                                     |       |
|-------------|--|-----------------------|-------------------------------------|-------|
|             |  | Mois-<br>ture         | Guaran-<br>teed not<br>less<br>than | Found |
|             | CAMDEN GRAIN CO.,<br>Camden, N. J.                                 |                       |                                     |       |
| 3508        | Camden Brand Brewers Dried<br>Grains                               | 8.10                  | 24.00                               | 27.00 |
|             | CANADIAN SUGAR FACTOR-<br>IES LTD., Alberta, Canada                |                       |                                     |       |
| 3724        | C. S. F. Alberta Pulp Dried<br>Molasses Beet Pulp                  | 9.27                  | 9.00                                | 9.75  |
|             | THE A. B. CAPLE CO.,<br>Toledo, Ohio                               |                       |                                     |       |
| 4364        | 17% Capex Dehydrated Alfalfa<br>Meal                               | 6.39                  | 17.00                               | 20.00 |
|             | CENTRAL CONN. CO-OP<br>FARMERS ASSOC., INC.,<br>Manchester, Conn.  |                       |                                     |       |
| 2696        | Honest Brand Aureomycin Mix<br>(Pellets) Medicated                 | 10.69                 | 18.00                               | 19.00 |
| 2697        | Honest Brand Aureomycin Mix<br>Med. (Turkey Mash)                  | 11.64                 | 18.00                               | 29.50 |
| 2698        | Honest Brand Aureomycin Mix<br>Med. (Turkey Pellets)               | 11.21                 | 18.00                               | 27.00 |
| 4351        | Honest Brand Complete<br>Breeder Mash                              | 11.49                 | 16.00                               | 17.00 |
| 4353        | Honest Brand Complete Ration<br>High Energy Growing Mash           | 12.41                 | 15.00                               | 15.00 |
| 4223        | Honest Brand Comp. Ration<br>High Energy Growing Mash<br>Medicated | 11.50                 | 15.00                               | 15.25 |
| 4221        | Honest Brand Comp. Ration<br>High Energy Growing Mash<br>Medicated | 10.82                 | 15.00                               | 15.25 |



## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 4.00                                | 5.53  | 17.00                               | 12.45 |   |
| 0.30                                | 0.36  | 20.00                               | 15.89 |   |
| 2.00                                | 5.90  | 27.00                               | 17.92 |   |
| 4.00                                | 6.16  | 4.00                                | 3.59  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.083 gms/lb. |
| 4.00                                | 6.24  | 4.00                                | 3.75  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.102 gms/lb. |
| 4.00                                | 5.54  | 4.00                                | 3.99  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.082 gms/lb. |
| 4.00                                | 4.93  | 4.00                                | 3.51  |   |
| 3.00                                | 5.24  | 4.00                                | 3.89  |   |
| 4.00                                | 5.17  | 4.00                                | 3.50  |   |
| 4.00                                | 6.21  | 4.00                                | 3.69  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand   | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|--|---------------|-------------------------------------|-------|
|             |  |               | Guaran-<br>teed not<br>less<br>than | Found |
| 4453        | Honest Brand Comp. Ration<br>High Energy Growing<br>Mash-Medicated Poultry               | 11.75         | 15.00                               | 16.25 |
| 4350        | Honest Brand Complete<br>Ration High Energy<br>Laying Mash                               | 11.82         | 15.00                               | 16.00 |
| 4437        | Honest Brand Comp. Ration<br>High Energy Laying Mash<br>Medicated Poultry Feed           | 11.23         | 15.00                               | 15.50 |
| 4352        | Honest Brand Light Breeder<br>Formula Comp. Ration<br>High Energy Laying Mash            | 11.19         | 16.00                               | 16.00 |
| 3562        | Honest Brand Nu Lay Layer<br>Ration  | 10.21         | 16.00                               | 16.75 |
| 4438        | Honest Brand Nu Lay Layer<br>Ration Medicated Poultry<br>Feed                            | 11.54         | 16.00                               | 16.00 |
| 3563        | Honest Brand Nu Weigh-Hi<br>Broiler Finisher Mash  | 11.47         | 18.00                               | 20.00 |
| 4222        | Honest Brand Nu-Weigh-Hi<br>Starter Mash Medicated                                       | 12.11         | 20.00                               | 21.50 |
|             | CENTRAL SOYA, McMillen<br>Feed Division, Fort Wayne,<br>Ind.                             |               |                                     |       |
| 4217        | 0.0116 Dien Mix Incorp. in<br>Master Mix Broiler<br>Finisher Conc. 375C-71P<br>Medicated | 8.11          | 41.00                               | 41.75 |
| 3568        | Forty-Four 44% Solvent<br>Extracted Soybean Meal   | 11.33         | 44.00                               | 44.50 |
| 4219        | Master Hi-Gain Calflac   | 4.65          | 24.00                               | 24.00 |
| 4316        | Master Mix Blended Fifty 675   | 10.38         | 50.00                               | 49.50 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |              | Fiber                               |       | Medicants                                                                                                                                           |
|-------------------------------------|--------------|-------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found        | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                                     |
| 3.00                                | 5.12         | 4.00                                | 4.01  | Furazolidone: Guar., 0.0220%;<br>found, <u>0.0132%</u> .                                                                                            |
| 4.00                                | 4.90         | 4.00                                | 3.28  |                                                                                                                                                     |
| 4.00                                | 5.17         | 4.00                                | 3.66  | Furazolidone: Guar., 0.022%;<br>found, 0.0228%.                                                                                                     |
| 5.00                                | 6.44         | 4.00                                | 3.34  |                                                                                                                                                     |
| 5.00                                | 5.26         | 4.00                                | 3.24  |                                                                                                                                                     |
| 5.00                                | 5.73         | 4.00                                | 3.32  | Furazolidone: Guar., 0.022%;<br>found, 0.0220%.                                                                                                     |
| 2.00                                | 5.84         | 6.50                                | 2.76  |                                                                                                                                                     |
| 4.00                                | 5.03         | 4.00                                | 3.24  | Nihydrazone: Guar., 100<br>gms/ton ; not determined.                                                                                                |
| 10.00                               | 11.57        | 5.00                                | 4.24  | Dienestrol Diacetate: Guar.,<br>0.0023%; found, 0.0028%.<br>Nicárbazin: Guar., 0.05%;<br>found, 0.0472%.                                            |
| 0.50                                | 1.01         | 7.00                                | 7.25  |                                                                                                                                                     |
| 20.00                               | <u>17.92</u> | 0.50                                | 0.20  | Chlortetracycline hydrochlor-<br>ide: Guar., 25 gms/ton; not<br>determined. Oxytetracycline<br>hydrochloride: Guar.,<br>25 gms/ton ; not determined |
| 1.00                                | 1.67         | 6.00                                | 5.12  |                                                                                                                                                     |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                   | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|-------------|----------------------------------------------------------|---------------|-------------------------------------|--------------|
|             |                                                          |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 3948        | Master Mix Broiler Starter<br>Concentrate 351-18A Med.   | 10.21         | 42.00                               | 43.25        |
| 4218        | Master Mix Calflac Med.                                  | 4.42          | 20.00                               | 20.00        |
| 3667        | Master Mix Calf Mixer 559<br>(Pellets)                   | 11.57         | 26.00                               | 26.00        |
| 4439        | Master Mix Complete Rabbit<br>Pellets 961-84 E Medicated | 10.76         | 15.00                               | 15.00        |
| 3577        | Master Mix Complete Turkey<br>Finisher 445               | 11.78         | 15.00                               | 15.75        |
| 4317        | Master Mix Dairy Blender<br>652                          | 11.09         | 24.00                               | 25.50        |
| 4314        | Master Mix Eastern Big<br>"M" Dairy Feed 622             | 10.04         | 16.00                               | 17.00        |
| 3572        | Master Mix Egg Concentrate<br>263                        | 9.16          | 42.00                               | <u>41.00</u> |
| 4312        | Master Mix H. C. Breeder<br>Concentrate 087              | 9.66          | 42.00                               | 42.00        |
| 4161        | Master Mix Hog Finisher<br>Concentrate 889               | 9.34          | 40.00                               | 41.25        |
| 3647        | Master Mix Horse Feed 967                                | 13.18         | 10.00                               | 11.75        |
| 3564        | Master Mix HQ Master Blend<br>Concentrate 667            | 11.48         | 38.00                               | 38.00        |
| 3740        | Master Mix Pig & Sow Feed<br>827-01A Med. (Pellets)      | 11.01         | 16.00                               | 16.75        |
| 4393        | Master Mix Poult Starter<br>401-83A Medicated            | 11.77         | 28.00                               | 29.00        |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 8.50                                | 9.72  | 5.00                                | 4.23  | Amprolium: Guar., 0.0278%;<br>found, 0.0269%. Ethopabate:<br>Guar., 0.00088%; found,<br>0.00098%.   |
| 11.50                               | 11.39 | 0.50                                | 0.33  | Chlortetracycline hydrochlor-<br>ide: Guar., 50 gms/ton; not<br>determined. Oxytetracycline<br>hydrochloride: Guar., 50<br>gms/ton; not determined. |
| 3.00                                | 4.18  | 6.50                                | 6.33  | Chlortetracycline hydrochlor-<br>ide: Guar., 18 gms/ton; not<br>determined.   |
| 2.00                                | 3.63  | 16.00                               | 14.46 | Furazolidone: Guar., 0.0055%;<br>found, 0.0058%. Sulfaquinoxa-<br>line: Guar., 0.0125%; found,<br>0.0132%.  |
| 3.50                                | 4.51  | 5.00                                | 4.04  |   |
| 1.00                                | 1.88  | 12.00                               | 10.20 |   |
| 3.50                                | 4.17  | 12.00                               | 11.02 |   |
| 6.00                                | 8.50  | 5.00                                | 5.04  |   |
| 5.00                                | 5.14  | 5.00                                | 4.78  |   |
| 1.50                                | 3.99  | 6.00                                | 5.38  |   |
| 3.00                                | 3.06  | 9.00                                | 7.82  |   |
| 0.50                                | 1.27  | 5.00                                | 4.85  |   |
| 3.00                                | 6.23  | 6.00                                | 6.23  | Arsanilic acid: Guar., 0.010%;<br>found, 0.0103%.   |
| 4.00                                | 5.44  | 4.00                                | 3.59  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.0042%. Sulfaquinox-<br>aline: Guar., 0.0175%; found,<br>0.0163%.               |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---|---------------|-------------------------------------|-------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found |
| 3671        | Master Mix Pullet Concentrate<br>163                              | 9.27          | 36.00                               | 36.25 |
| 4374        | Master Mix Pullet Concentrate<br>163-04H Medicated                | 10.61         | 36.00                               | 36.00 |
| 4160        | Master Mix Ruma Bulk 646  | 11.11         | 10.00                               | 11.00 |
| 3670        | Master Mix Sweet Bulk 'N<br>Flakes 648                            | 11.81         | 10.00                               | 12.00 |
| 3720        | Thrifty-Fifty 50% Solvent Ex-<br>tracted Dehulled Soybean<br>Meal | 11.12         | 50.00                               | 50.00 |
|             | S. J. CHERRY & SONS LTD.,<br>Preston, Ontario, Canada             |               |                                     |       |
| 4024        | S. J. Cherry's Wheat Bran   | 11.01         | 13.50                               | 16.00 |
|             | CITRUS PRODUCTS SALES<br>MINUTE MAID CO.,<br>Orlando, Fla.        |               |                                     |       |
| 4261        | Golden Isle Brand Citrus Pulp                                     | 9.97          | 6.00                                | 6.50  |
|             | CONN. BI-PRODUCTS, INC.,<br>Columbia, Conn.                       |               |                                     |       |
| 4340        | Hydrolyzed Poultry Feathers                                       | 4.91          | 85.00                               | 87.50 |
| 4339        | Poultry By-Product Meal   | 5.36          | 60.00                               | 60.25 |
| 4341        | Meat & Bone Meal  | 4.61          | ....                                | 45.00 |
|             | CONNORS BROS. LTD.,<br>N. B., Canada                              |               |                                     |       |
| 4354        | Connors Bros. Ltd. Oily<br>Fish Meal                              | 5.17          | 60.00                               | 65.50 |
|             | CONSOLIDATED RENDERING<br>CO., Boston 10, Mass.                   |               |                                     |       |
| 4156        | Corenco 48% Meat & Bone<br>Scrap                                  | 7.22          | 48.00                               | 48.00 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 2.50                                | 5.26  | 8.00                                | 7.01  | Zoalene: Guar., 0.0335%;<br>found, 0.0291%. |
| 2.50                                | 5.29  | 8.00                                | 6.53  |   |
| 1.00                                | 1.60  | 22.00                               | 20.87 |   |
| 1.00                                | 1.81  | 20.00                               | 18.52 |   |
| 0.50                                | 0.92  | 3.00                                | 3.12  |   |
| 3.00                                | 4.44  | 11.50                               | 10.70 |   |
| 2.70                                | 6.71  | 15.00                               | 11.38 |   |
| 0.50                                | 7.81  | 1.50                                | 0.55  |   |
| 10.00                               | 12.79 | 3.00                                | 1.07  |   |
| ....                                | 10.91 | ....                                | 1.21  |   |
| 10.00                               | 13.32 | ....                                | ....  |   |
| 6.00                                | 8.09  | 2.00                                | 1.56  |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|-------------|---|---------------|-------------------------------------|--------------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 3569        | Corenco 50% Meat & Bone<br>Scrap                      | 6.12          | 50.00                               | <u>48.50</u> |
|             | COUNTRY BEST FOODS,<br>Agway Inc., Syracuse, N.Y.     |               |                                     |              |
| 3776        | Big Red Rabbit Food Pellets                           | 10.51         | 16.00                               | 17.00        |
|             | DAWNWOOD FARMS, INC.,<br>Wassaic, N.Y.                |               |                                     |              |
| 4236        | Dawnwood Farms Caf-Star                               | 6.66          | 25.00                               | 26.75        |
| 4237        | Dawnwood Farms Hi-Fat Caf<br>Star                     | 5.99          | 24.00                               | 25.75        |
|             | D. C. A. FOOD INDUSTRIES,<br>INC., Ellicott City, Md. |               |                                     |              |
| 4320        | D. C. A. Breeder                                      | 8.25          | ....                                | 12.25        |
| 4318        | Domaco Pure Winter Wheat<br>Bran                      | 11.33         | 13.50                               | 14.50        |
| 4311        | Domaco Wheat Middlings                                | 10.66         | 14.50                               | 15.25        |
|             | DERBY FEED STORE,<br>Derby, Conn.                     |               |                                     |              |
| 3539        | Litsky's Hi-Energy All-Mash<br>Grower                 | 12.47         | 16.00                               | 16.50        |
| 3511        | Litsky's Hi-Energy All-Mash<br>Layer                  | 11.69         | 16.00                               | 17.00        |
| 3509        | Litsky's Hi-Energy Layer                              | 11.92         | 20.00                               | 20.50        |
| 3937        | Litsky's Hi-Energy Starter-<br>Broiler                | 11.57         | 20.00                               | 21.38        |
| 4283        | Litsky's Sweet 16% Dairy<br>Ration                    | 12.79         | 16.00                               | <u>14.25</u> |
|             | DECATUR MILLING CO.,<br>INC., Decatur, Ill.           |               |                                     |              |
| 4290        | Homco Hominy Feed                                     | 10.20         | 9.00                                | 11.75        |
| ~~~~~       | Indicates deficiencies.                               |               |                                     |              |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 6.00                                | 11.01 | ....                                | ....  |  |
| 3.50                                | 4.53  | 12.00                               | 8.75  |  |
| 6.00                                | 8.54  | 1.00                                | 0.95  |  |
| 10.00                               | 10.49 | 0.25                                | 0.41  |  |
| ....                                | 1.21  | ....                                | 0.47  |  |
| 3.25                                | 3.88  | 9.50                                | 9.43  |  |
| 4.25                                | 4.49  | 7.50                                | 7.35  |  |
| 3.50                                | 3.66  | 4.00                                | 3.42  |  |
| 3.50                                | 4.51  | 4.00                                | 4.58  |  |
| 3.25                                | 3.96  | 4.50                                | 4.68  |  |
| 3.50                                | 3.51  | 4.00                                | 4.60  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0155%. |
| 3.00                                | 2.93  | 10.00                               | 6.83  |  |
| 5.00                                | 6.19  | 6.00                                | 4.96  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---|---------------|-------------------------------------|-------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | DELPHOS SOYA PRODUCTS<br>CO., Delphos, Ohio                                 |               |                                     |       |
| 3507        | 44% Protein Soybean Meal  | 12.32         | 44.00                               | 45.50 |
|             | DUQUESNE BREWING CO.<br>of PITTSBURG, Pittsburg,<br>Penn.                   |               |                                     |       |
| 3586        | Bulk Brewers Dried Grains   | 7.21          | 26.00                               | 30.25 |
|             | ELLISON'S MILLING &<br>ELEVATOR CO., LTD.,<br>Lethbrige, Alberta,<br>Canada |               |                                     |       |
| 3596        | Ellison's Wheat Bran  | 11.66         | 13.00                               | 17.00 |
|             | ELMORE MILLING CO.,<br>INC., Oneonta, N.Y.                                  |               |                                     |       |
| 3762        | Elmore Bulky Base   | 12.24         | 10.00                               | 10.13 |
| 3771        | Elmore Complete Calf Milk<br>Replacer                                       | 8.29          | 25.00                               | 25.75 |
| 4135        | Elmore Complete Calf Milk<br>Replacer                                       | 7.37          | 25.00                               | 26.00 |
| 4380        | Elmore Complete Growing<br>Ration Med. (1Z)                                 | 11.71         | 16.00                               | 19.00 |
| 4230        | Elmore Complete Laying<br>Mash  | 11.42         | 16.00                               | 17.00 |
| 3765        | Elmore Complete Market<br>Egg Ration  | 12.37         | 16.00                               | 17.25 |
| 4166        | Elmore Complete Rabbit<br>Ration Pellets                                    | 10.11         | 16.00                               | 19.25 |
| 4328        | Elmore Complete Turkey<br>Growing Mash (Pellets)                            | 12.66         | 17.00                               | 19.00 |
| 4407        | Elmore Complete Turkey<br>Growing Mash Medicated<br>(1H) Pellets            | 12.19         | 17.00                               | 17.25 |



Indicates deficiencies.



## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |             | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found       |   |
| 0.50                                | 0.77  | 7.00                                | <u>8.12</u> |   |
| 6.00                                | 7.27  | 20.00                               | 20.13       |   |
| 3.50                                | 5.43  | 11.00                               | 10.07       |   |
| 2.50                                | 3.47  | 16.00                               | 13.35       |   |
| 4.00                                | 5.06  | 2.00                                | 1.97        |   |
| 4.00                                | 4.40  | 2.00                                | 1.96        | Oxytetracycline hydrochloride:<br>Guar., 0.02 gms/lb.; found,<br>0.057, gms/lb. |
| 3.00                                | 4.36  | 6.00                                | 4.56        | Zoalene: Guar., 0.0125%;<br>found, <u>0.0059</u> %.                             |
| 3.00                                | 4.28  | 6.00                                | 4.75        |   |
| 3.00                                | 3.73  | 5.00                                | 4.10        |   |
| 2.50                                | 3.36  | 10.00                               | 10.07       |   |
| 3.00                                | 4.48  | 6.00                                | 4.56        |   |
| 3.00                                | 5.16  | 6.00                                | 4.88        | 4-Nitrophenylarsonic acid:<br>Guar., 0.0250%; found,<br>0.0200%.                |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                  | Manufacturer and brand                     | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|--|--|---------------|-------------------------------------|-------|
|  |  |               | Guaran-<br>teed not<br>less<br>than | Found |
| 4232   | Elmore Dry & Freshening<br>Ration          | 13.20         | 12.00                               | 14.00 |
| 4322   | Elmore Flaked Pelleted Calf<br>Starter     | 12.07         | 18.00                               | 21.75 |
| 4327   | Elmore Game Bird Breeder<br>Mash (Pellets) | 11.26         | 20.00                               | 20.00 |
| 4233   | Elmore Game Bird Grower                    | 11.66         | 20.00                               | 21.00 |
| 3943   | Elmore Game Bird Grower<br>Medicated (1S)  | 11.70         | 20.00                               | 21.75 |
| 4323   | Elmore Grand Champion<br>Ration            | 11.96         | 15.00                               | 15.00 |
| 3764   | Elmore Horse Feed                          | 12.94         | 9.00                                | 11.25 |
| 4324   | Elmore Maximilk Ration 16%<br>(Pellets)    | 10.96         | 16.00                               | 18.50 |
| 4449   | Elmore Medicated Mash NF<br>180 (Pellets)  | 12.52         | 16.00                               | 18.25 |
| 4325   | Elmore Milk Grains "Sixteen"               | 12.25         | 16.00                               | 17.75 |
| 3978   | Elmore Pacemaker Dairy<br>Ration 16%       | 11.81         | 16.00                               | 20.00 |
| 3768   | Elmore Pacemaker Dairy<br>Ration 18%       | 11.72         | 18.00                               | 21.00 |
| 4231   | Elmore Pacemaker Horse<br>Pellets          | 10.66         | 11.00                               | 13.75 |
| 4134   | Elmore Picker-upper High<br>Level Feed     | 10.81         | 20.00                               | 20.50 |
| 4167   | Elmore Roughage Extender                   | 11.40         | 9.00                                | 14.63 |
| 3770   | Elmore Special Dairy 16%                   | 11.86         | 16.00                               | 16.75 |
| 4229   | Elmore Test Ration 16%                     | 11.65         | 16.00                               | 18.50 |
| 4168   | Elmore Test Ration 18%                     | 11.65         | 18.00                               | 20.50 |
| JOHN W. ESHELMAN &<br>SONS, Lancaster, Penn. |  |               |                                     |       |
| 4338   | Alfalfa Meal 17%                           | 9.34          | 17.00                               | 18.25 |
| 3588   | Egg Maker Pellets                          | 10.70         | 16.00                               | 16.50 |
| 3675   | Lancaster 16 Dairy Feed                    | 11.41         | 16.00                               | 20.25 |
| 3678   | Lancaster 20 Dairy Feed                    | 10.71         | 20.00                               | 21.50 |
| 3906   | Lancaster Horse Pellets                    | 10.46         | 12.50                               | 13.25 |
| 3589   | Lancaster Scratch Grains                   | 13.02         | 9.00                                | 9.00  |
| 4055   | Pennsy 16 Dairy Feed 520                   | 10.87         | 16.00                               | 16.75 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                          |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                    |
| 3.50                                | 3.99  | 8.00                                | 6.11  |                                                                                    |
| 2.50                                | 4.09  | 8.00                                | 5.88  |                                                                                    |
| 3.50                                | 3.91  | 6.00                                | 4.47  |                                                                                    |
| 3.00                                | 4.52  | 10.00                               | 4.57  |                                                                                    |
| 3.00                                | 3.50  | 10.00                               | 5.72  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0168%.                               |
| 3.50                                | 3.89  | 8.00                                | 6.85  |                                                                                    |
| 3.00                                | 3.00  | 12.00                               | 6.18  |                                                                                    |
| 3.50                                | 4.95  | 9.00                                | 8.71  |                                                                                    |
| 3.00                                | 3.99  | 6.00                                | 3.87  | Furazolidone: Guar., 0.0220%;<br>found, <u>0.0114</u> %.                           |
| 3.50                                | 4.66  | 8.00                                | 7.81  |                                                                                    |
| 3.00                                | 3.35  | 10.50                               | 8.02  |                                                                                    |
| 3.00                                | 3.87  | 10.00                               | 7.23  |                                                                                    |
| 2.00                                | 3.69  | 17.00                               | 14.15 |                                                                                    |
| 3.50                                | 4.96  | 8.00                                | 4.47  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.10 gms/lb.;<br>found, 0.094 gms/lb. |
| 2.00                                | 2.59  | 20.00                               | 17.31 |                                                                                    |
| 3.50                                | 4.13  | 9.00                                | 7.01  |                                                                                    |
| 4.00                                | 4.07  | 8.00                                | 7.80  |                                                                                    |
| 4.00                                | 4.01  | 8.00                                | 7.52  |                                                                                    |
| 2.00                                | 5.59  | 27.00                               | 21.89 |                                                                                    |
| 4.00                                | 5.06  | 6.50                                | 4.72  |                                                                                    |
| 2.50                                | 3.21  | 13.50                               | 11.25 |                                                                                    |
| 2.50                                | 2.86  | 13.00                               | 12.44 |                                                                                    |
| 2.00                                | 3.93  | 18.00                               | 14.82 |                                                                                    |
| 2.00                                | 2.58  | 4.00                                | 2.04  |                                                                                    |
| 2.50                                | 2.89  | 15.00                               | 12.78 |                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------------------------------------|----------|--------------------------|-------|
|             |                                                         |          | Guaranteed not less than | Found |
| 3909        | Red Rose Calf Grower                                    | 13.30    | 14.00                    | 14.00 |
| 3682        | Red Rose Chick Grains                                   | 12.67    | 9.00                     | 10.50 |
| 3950        | Red Rose Chick Starter Med.<br>(110-E)                  | 10.71    | 22.00                    | 24.25 |
| 3683        | Red Rose Complete Growing<br>Ration                     | 10.82    | 16.00                    | 17.00 |
| 3593        | Red Rose Complete Laying<br>Ration                      | 9.89     | 16.00                    | 17.25 |
| 3824        | Red Rose Complete Turkey<br>Finisher                    | 10.46    | 16.00                    | 16.75 |
| 4394        | Red Rose Complete Turkey<br>Grower Medicated<br>(312-C) | 10.37    | 20.00                    | 20.75 |
| 3756        | Red Rose 16 Dairy Feed                                  | 11.58    | 16.00                    | 17.00 |
| 3910        | Red Rose Duck Grower &<br>Breeder (Pelleted)            | 10.65    | 20.00                    | 20.00 |
| 3677        | Red Rose Equinader                                      | 11.04    | 20.00                    | 20.25 |
| 3805        | Red Rose Fitting Ration                                 | 15.72    | 12.00                    | 14.25 |
| 3800        | Red Rose Goat Ration                                    | 11.99    | 14.00                    | 14.25 |
| 3755        | Red Rose Horse Feed                                     | 13.27    | 9.00                     | 9.00  |
| 3587        | Red Rose Intermediate Chick<br>Grains                   | 13.78    | 9.00                     | 9.25  |
| 3594        | Red Rose Laying Mash                                    | 10.16    | 20.00                    | 21.00 |
| 3685        | Red Rose Milk Replacer                                  | 7.36     | 22.00                    | 23.25 |
| 3806        | Red Rose Pigeon Feed                                    | 11.89    | 12.00                    | 14.00 |
| 3904        | Red Rose Pig Grower<br>Pellets                          | 11.84    | 16.00                    | 17.75 |
| 3676        | Red Rose Porkmaker                                      | 11.26    | 14.00                    | 15.50 |
| 3826        | Red Rose Rabbit Pellets                                 | 8.39     | 18.00                    | 17.25 |
| 3827        | Red Rose Rabbit Pellets                                 | 9.94     | 16.00                    | 17.50 |
| 3681        | Red Rose Rumenator (Dairy<br>Booster)                   | 10.27    | 16.00                    | 17.75 |
| 3592        | Red Rose Scratch Grains                                 | ....     | 10.00                    | 9.00  |
| 3905        | Red Rose Show Horse Feed                                | 12.39    | 14.00                    | 15.75 |
| 3679        | Red Rose Starter & Grower                               | 11.00    | 20.00                    | 20.75 |
| 4058        | Red Rose 14 Test Cow Feed                               | 11.26    | 14.00                    | 15.75 |
| 3591        | Solvent Extracted 41%<br>Cottonseed Meal                | 9.56     | 41.00                    | 41.25 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 3.50                                | 3.53  | 8.00                                | 6.15  | Amprolium: Guar., 0.0125%;<br>found, 0.0110%.                       |
| 2.00                                | 2.54  | 3.00                                | 1.78  |   |
| 4.00                                | 5.28  | 4.50                                | 4.75  |   |
| 4.00                                | 5.57  | 6.00                                | 5.25  |   |
| 4.00                                | 5.21  | 5.00                                | 5.59  |   |
| 4.00                                | 6.29  | 6.00                                | 4.61  | P-Ureidobenzeneearsonic acid:<br>Guar., 0.0375%; found,<br>0.0400%. |
| 4.00                                | 5.39  | 6.00                                | 4.90  |   |
| 3.50                                | 4.85  | 9.50                                | 7.45  |   |
| 4.00                                | 5.37  | 6.00                                | 5.01  |   |
| 1.50                                | 3.02  | 9.00                                | 8.40  |   |
| 3.50                                | 4.09  | 8.50                                | 6.80  |   |
| 3.50                                | 3.83  | 8.50                                | 6.40  |   |
| 3.00                                | 3.49  | 8.00                                | 3.82  |   |
| 2.00                                | 4.38  | 3.00                                | 1.86  |   |
| 4.00                                | 4.75  | 5.50                                | 5.19  |   |
| 1.00                                | 1.56  | 1.00                                | 0.70  |   |
| 2.00                                | 2.70  | 5.50                                | 3.05  |   |
| 3.50                                | 4.34  | 6.00                                | 5.51  |   |
| 3.50                                | 4.13  | 7.00                                | 5.56  |   |
| 3.00                                | 4.72  | 10.00                               | 13.24 |   |
| 2.50                                | 4.94  | 15.50                               | 11.27 |   |
| 5.50                                | 6.01  | 7.00                                | 6.28  |   |
| 2.00                                | 3.69  | 4.00                                | 3.05  |   |
| 3.00                                | 3.35  | 8.00                                | 5.91  |   |
| 4.00                                | 4.71  | 6.00                                | 4.89  |   |
| 4.00                                | 3.88  | 7.50                                | 7.01  |   |
| 0.50                                | 3.66  | 13.00                               | 11.61 |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.  | Manufacturer and brand                                 | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|--|--|---------------|-------------------------------------|--------------|
|  |  |               | Guaran-<br>teed not<br>less<br>than | Found        |
| FARM BUREAU ASSOCIATION,<br>Waltham, Mass.                 |  |               |                                     |              |
| 3725   | Farm Bureau Advancer 16% Pellets                       | 9.71          | 16.00                               | 17.50        |
| 3744   | Farm Bureau Complete Layer Breeder Mash Medicated      | 10.06         | 16.00                               | 16.25        |
| 4296   | Farm Bureau Controlled Energy Complete Producer        | 11.36         | 16.00                               | 16.50        |
| 3723   | Farm Bureau Dairy 16%                                  | 10.27         | 16.00                               | 18.25        |
| 3726   | Farm Bureau Rabbit Food Pellets                        | 9.41          | 18.00                               | 18.50        |
| 3941   | Farm Bureau Rabbit Food Pellets                        | 9.91          | 18.00                               | 20.13        |
| FARMERS FEED CO.,<br>Brooklyn, N. Y.                       |  |               |                                     |              |
| 4284   | "Bull Brand" Brewers Dried Grains                      | 8.78          | 26.00                               | 28.50        |
| FLORIDA CITRUS CANNERS<br>COOPERATIVE, Lake<br>Wales, Fla. |  |               |                                     |              |
| 3684   | Lake Wales Brand Dried Citrus Pulp                     | 10.85         | 6.00                                | 6.00         |
| FRUEN MILLING CO.,<br>Minneapolis, Minn.                   |  |               |                                     |              |
| 3665   | Fruen's All Purpose Thrift Pellets                     | 10.31         | 12.50                               | <u>11.50</u> |
| GENERAL MILLS, INC.,<br>Minneapolis, Minn.                 |  |               |                                     |              |
| 3892   | General Mills, Inc. Wheat Bran-Ground Wheat Screenings | 12.13         | 15.00                               | 16.00        |
| ~~~~~ Indicates deficiencies.                              |  |               |                                     |              |



## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |       | Medicants   |
|-------------------------------------|-------------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |   |
| 3.50                                | 4.68        | 8.00                                | 6.47  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0108%.            |
| 4.00                                | 4.19        | 4.50                                | 4.03  |   |
| 4.00                                | 4.49        | 4.50                                | 3.91  |   |
| 3.50                                | 3.73        | 8.00                                | 6.78  |   |
| 2.50                                | 4.04        | 18.00                               | 12.37 | Sulfaquinoxaline: Guar.,<br>0.025%; found, <u>0.0156%</u> . |
| 2.50                                | 3.61        | 18.00                               | 12.39 |   |
| 6.00                                | 7.38        | 17.00                               | 11.85 |   |
| 2.00                                | 2.68        | 16.00                               | 12.18 |   |
| 4.50                                | <u>3.99</u> | 16.00                               | 15.39 |   |
| 2.50                                | 4.97        | 13.00                               | 10.26 |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---|---------------|-------------------------------------|-------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found |
| 3782        | General Mills, Inc. Wheat<br>Middlings-Ground Wheat<br>Screenings | 11.11         | 15.00                               | 17.25 |
|             | GOLDEN GEM GROWERS,<br>INC., Umatilla, Fla.                       |               |                                     |       |
| 3605        | Golden Gems Sweet Dried<br>Citrus Pulp                            | 9.73          | 6.00                                | 6.00  |
|             | THE GREAT ATLANTIC &<br>PACIFIC TEA CO., INC.,<br>New York, N. Y. |               |                                     |       |
| 3883        | Daily Egg Laying Mash   | 10.26         | 20.00                               | 21.50 |
|             | GREAT STAR FLOUR MILLS<br>LTD., St. Marys, Ontario,<br>Canada     |               |                                     |       |
| 3505        | Great Star Bran   | 12.41         | 13.00                               | 15.75 |
| 3506        | Great Star Shorts   | 12.41         | 14.00                               | 16.00 |
|             | HALES & HUNTER CO.,<br>Chicago, Ill.                              |               |                                     |       |
| 4082        | Bran  | 11.46         | ....                                | 16.00 |
| 4084        | Middlings   | 11.31         | ....                                | 15.75 |
| 4085        | Pioneer Calf Starter  | 11.66         | 18.00                               | 18.00 |
| 4086        | Pioneer Dry & Freshening<br>540000                                | 12.04         | 12.00                               | 12.75 |
| 4114        | Pioneer Hog Developer Med.  | 10.44         | 14.00                               | 15.25 |
| 3732        | Pioneer Horse Feed  | 11.08         | 12.00                               | 13.00 |
| 3752        | Pioneer 14 Milker   | 12.08         | 14.00                               | 15.00 |
| 4081        | Pioneer 16 Milker 543400  | 6.06          | 16.00                               | 16.00 |
| 3753        | Pioneer 16 Milker Pellets   | 10.78         | 16.00                               | 16.00 |
| 3751        | Pioneer 16 Pelleted Flaked<br>Dairy                               | 11.90         | 16.00                               | 16.00 |
| 4083        | Pioneer Production Dairy<br>16 543900                             | 11.99         | 16.00                               | 16.00 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 3.50                                | 4.33  | 9.50                                | 3.31  |  |
| 2.50                                | 3.93  | 11.00                               | 10.90 |  |
| 3.00                                | 3.43  | 7.50                                | 6.55  |  |
| 3.50                                | 4.51  | 11.00                               | 9.30  |  |
| 5.00                                | 4.80  | 8.00                                | 5.80  |  |
| ....                                | 5.08  | ....                                | 10.02 |  |
| ....                                | 4.62  | ....                                | 8.03  |  |
| 2.50                                | 3.21  | 7.00                                | 5.77  |  |
| 2.50                                | 3.54  | 8.00                                | 7.09  |  |
| 3.00                                | 3.53  | 4.50                                | 3.99  | Arsanilic acid: Guar., 0.008%<br>found, 0.0095%. |
| 2.50                                | 3.51  | 8.00                                | 7.07  |  |
| 2.50                                | 3.92  | 10.00                               | 7.25  |  |
| 2.50                                | 3.84  | 10.00                               | 9.29  |  |
| 2.50                                | 3.78  | 10.00                               | 9.73  |  |
| 2.50                                | 4.12  | 7.00                                | 6.81  |  |
| 2.50                                | 3.57  | 8.00                                | 7.70  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                        | Protein<br>(N x 6.25) |                                     |              |
|-------------|---|-----------------------|-------------------------------------|--------------|
|             |   | Mois-<br>ture         | Guaran-<br>teed not<br>less<br>than | Found        |
| 4454        | Pioneer Rabbit Pellets Med.<br>48100          | 10.36                 | 16.00                               | 16.25        |
| 4356        | Pioneer Roughage Extender<br>60604AC          | 13.16                 | ....                                | 10.00        |
| 3733        | Pioneer Sup-Pel Dairy<br>Supplement Pellets   | 9.76                  | 18.00                               | <u>17.00</u> |
| 4009        | Pioneer Vig-R-Calf Milk<br>Replacer Medicated | 4.67                  | 21.00                               | 21.25        |
| 3957        | Red Comb Broiler Finisher<br>0207 Medicated   | 11.46                 | 19.00                               | 22.50        |
| 4373        | Red Comb Broiler Finisher<br>0207 Med. 020207 | 11.96                 | 19.00                               | 21.00        |
| 4371        | Red Comb Broiler Starter<br>Medicated 000107  | 12.17                 | 23.00                               | 26.00        |
| 4372        | Red Comb Chick Starter<br>Medicated 200006    | 11.24                 | 20.00                               | 20.00        |
| 4080        | Red Comb Complete Grower<br>210000            | 11.30                 | 15.00                               | 15.75        |
| 3955        | Red Comb Complete Grower<br>Medicated         | 11.80                 | 15.00                               | 17.50        |
| 4115        | Red Comb Complete Layer<br>16 Med. 240109     | 10.26                 | 16.00                               | 16.25        |
| 3956        | Red Comb Growing Mash<br>Medicated            | 10.51                 | 18.00                               | 19.00        |
| 3745        | Red Comb Complete Layer<br>15 Medicated       | 10.26                 | 15.00                               | 17.00        |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |       | Medicants  |
|-------------------------------------|-------------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |  |
| 2.00                                | 3.98        | 15.00                               | 10.02 | Furazolidone: Guar., 0.0055%;<br>found, 0.0063%.   |
| ....                                | 3.62        | ....                                | 4.59  |  |
| 3.00                                | 3.01        | 8.00                                | 5.54  | Chlortetracycline hydrochlor-<br>ide: Guar., 100 gms/ton ;<br>found, 92.0 gms/ton.               |
| 8.50                                | 8.80        | 0.50                                | 0.41  |  |
| 5.00                                | 5.14        | 3.50                                | 2.89  | Amprolium: Guar., 0.0125%;<br>found, 0.0147%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00034%. |
| 5.00                                | 5.64        | 3.50                                | 2.90  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00044%. |
| 5.00                                | <u>4.11</u> | 3.50                                | 3.34  | Amprolium: Guar., 0.0125%;<br>found, 0.0103%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00034%. |
| 3.50                                | 4.53        | 6.00                                | 4.79  | Amprolium: Guar., 0.008%;<br>found, 0.0093%.   |
| 3.00                                | 4.14        | 7.00                                | 5.38  | Amprolium: Guar., 0.008%;<br>found, 0.0094%.   |
| 3.00                                | 4.03        | 7.00                                | 3.44  |  |
| 3.50                                | 3.76        | 5.50                                | 3.92  | Arsanilic acid: Guar., 0.010%;<br>found, 0.0098%.  |
| 3.50                                | 3.73        | 8.00                                | 5.86  | Amprolium: Guar., 0.0160%;<br>found, 0.0190%.  |
| 3.50                                | 3.90        | 5.50                                | 3.70  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0101%.   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                            | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---|---------------|-------------------------------------|-------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found |
| 4455        | Red Comb-Pioneer Wormer<br>275057                 | 10.73         | 20.00                               | 20.00 |
| 4357        | Red Comb Scratch Feed<br>270000                   | 12.88         | 9.00                                | 9.25  |
| 4010        | Red Comb Sup-Pel Medicated<br>Poultry Supplement  | 10.46         | 20.00                               | 20.25 |
| 4355        | Red Comb Turkey Finisher<br>14 321000             | 12.00         | 14.00                               | 15.75 |
| 3750        | Red Comb Turkey Grower<br>20 (Pellets)            | 11.66         | 20.00                               | 21.75 |
|             | HAYWARD, INC., Oak<br>Harbor, Ohio                |               |                                     |       |
| 3546        | Hayward's H Dehydrated<br>Alfalfa Meal            | 9.54          | 17.00                               | 17.75 |
|             | H. P. HOOD & SONS, INC.,<br>Dunedin, Fla.         |               |                                     |       |
| 3828        | Hood Citrus Pulp                                  | 11.05         | 6.00                                | 6.00  |
|             | E. C. & W. L. HOPKINS,<br>INC., Greenfield, N. H. |               |                                     |       |
| 3701        | Granite State Rabbit Pellets                      | 9.50          | 18.00                               | 19.25 |
| 3570        | Produlac  | 10.96         | ....                                | 27.00 |
| 3696        | Special 16% Dairy Pellets<br>(VAIDA)              | 10.24         | 16.00                               | 16.50 |
|             | ILLINOIS CEREAL MILLS,<br>INC., Paris, Ill.       |               |                                     |       |
| 3801        | Hominy Feed                                       | 11.37         | 10.00                               | 11.00 |



Indicates deficiencies.



## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |       | Medicants  |
|-------------------------------------|-------------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |  |
| 3.00                                | 3.73        | 5.00                                | 3.97  | Piperazine hydrochloride:<br>Guar., 0.4%; found,<br>0.33%.                     |
| 2.00                                | 3.93        | 5.00                                | 3.15  | Oxytetracycline hydrochlor-<br>ide: Guar., 100 gms/ton;<br>found, 116 gms/ton. |
| 4.00                                | 4.29        | 6.50                                | 4.32  |  |
| 2.50                                | 5.36        | 4.50                                | 3.19  |  |
| 2.50                                | 4.56        | 6.00                                | 4.06  |  |
| 1.75                                | 3.46        | 27.00                               | 19.36 |  |
| 2.70                                | <u>2.00</u> | 15.00                               | 11.47 |  |
| 3.00                                | 3.92        | 13.00                               | 12.28 |  |
| ....                                | 8.64        | ....                                | 6.62  |  |
| ....                                | 3.96        | ....                                | 8.45  |  |
| 5.00                                | 6.38        | 6.00                                | 4.32  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---|---------------|-------------------------------------|-------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | INDUSTRIAL MOLASSES<br>CORP., Leonia, N.J.                              |               |                                     |       |
| 3775        | Dried Beet Pulp   | 10.50         | 7.00                                | 9.25  |
|             | INTERNATIONAL CHEESE<br>CO., INC., Hinesburg, Vt.                       |               |                                     |       |
| 4078        | Dried Whole Whey  | 5.00          | 11.00                               | 12.75 |
|             | INTERNATIONAL MILLING<br>CO., INC., Minneapolis,<br>Minn.               |               |                                     |       |
| 3911        | Blackhawk Wheat Bran--<br>Ground Mixed Screenings                       | 12.46         | 13.50                               | 17.00 |
| 3767        | Blackhawk Wheat Middlings-<br>Ground Mixed Screenings                   | 11.86         | 14.00                               | 16.00 |
|             | INTER-STATE COMMODI-<br>TIES, INC., Troy, N.Y.                          |               |                                     |       |
| 1698        | Brewers Dried Grains  | 8.61          | 26.00                               | 30.25 |
|             | KELLOGG COMPANY,<br>Battle Creek, Mich.                                 |               |                                     |       |
| 4335        | Kellogg's Hominy Feed   | 10.69         | 9.50                                | 12.00 |
|             | KELLOGG CO. of CANADA,<br>LTD., London, Ontario,<br>Canada              |               |                                     |       |
| 3687        | Kellogg's Hominy Feed   | 10.50         | 10.00                               | 11.25 |
|             | SPENCER KELLOGG DIV. of<br>TEXTRON INC., Minnea-<br>polis, Minn.        |               |                                     |       |
| 3544        | Spencer Kellogg's 31% Protein<br>Old Process (Expeller)<br>Linseed Meal | 12.31         | 31.00                               | 34.50 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |           |
| 0.30                                | 0.73  | 22.50                               | 19.60 |           |
| ....                                | ....  | 0.50                                | 0.36  |           |
| 2.50                                | 4.47  | 12.00                               | 10.62 |           |
| 3.00                                | 4.51  | 9.50                                | 9.38  |           |
| ....                                | 5.50  | ....                                | 14.90 |           |
| 6.50                                | 6.54  | 4.50                                | 4.85  |           |
| 9.00                                | 9.46  | 4.50                                | 4.16  |           |
| 3.50                                | 3.34  | 11.00                               | 7.89  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand   | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|--|---------------|-------------------------------------|-------|
|             |  |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | KEYSTONE DEHYDRATORS,<br>Nazareth, Penn.                                       |               |                                     |       |
| 3643        | Keystone Super Green Dehy.<br>Alfalfa Meal-Ethoxyquin                          | 7.99          | 17.00                               | 17.00 |
|             | KRAFT FOODS, Division of<br>National Dairy Products<br>Corp., Chicago, Ill.    |               |                                     |       |
| 4305        | Kaff-A Feed Booster Pellets<br>for Heifer, Cows, Beef<br>Cattle, Lambs & Sheep | 9.12          | 26.00                               | 27.50 |
| 4216        | Kaff-A Milk Replacer for<br>Calves Medicated                                   | 5.41          | 22.00                               | 23.75 |
|             | KRAUSE MILLING CO.,<br>Milwaukee, Wis.   |               |                                     |       |
| 3816        | Badger Yellow Hominy Feed  | 11.39         | 10.00                               | 11.00 |
|             | KUDER PULP SALES CO.,<br>Lake Alfred, Fla.                                     |               |                                     |       |
| 3612        | Kuder Dried Citrus Pulp,<br>High Sugar   | 9.39          | 6.00                                | 6.00  |
|             | LAUHOFF GRAIN CO.,<br>Danville, Ill.   |               |                                     |       |
| 3674        | Vermilion Hominy Feed  | 11.73         | 9.00                                | 11.06 |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |              | Medicants   |
|-------------------------------------|-------|-------------------------------------|--------------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found        |   |
| 2.00                                | 2.88  | 27.00                               | <u>28.14</u> |   |
| 4.50                                | 8.06  | 3.50                                | 2.92         | Chlortetracycline hydrochlor-<br>ide: Guar., 35 gms/ton ; not<br>determined. Oxytetracycline<br>hydrochloride: Guar., 35<br>gms/ton ; not determined. |
| 13.00                               | 14.71 | 2.00                                | 0.77         |   |
| 5.00                                | 7.37  | 6.00                                | 4.43         |   |
| 2.50                                | 2.42  | 15.00                               | 12.33        |   |
| 5.00                                | 5.90  | 6.00                                | 4.22         |   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand   | Protein<br>(N x 6.25) |                                     |              |
|-------------|--|-----------------------|-------------------------------------|--------------|
|             |  | Mois-<br>ture         | Guaran-<br>teed not<br>less<br>than | Found        |
|             | THE LIBNER GRAIN CO.,<br>Norwalk, Conn.  |                       |                                     |              |
| 3595        | Libner's Blue Ribbon Horse &<br>Calf Ration                                      | 11.84                 | 10.50                               | 12.25        |
|             | LOCKWOOD NUTRITION<br>SERVICE, INC., Grain &<br>Flour Exchange, Boston,<br>Mass. |                       |                                     |              |
| 4321        | Doughnut Mix   | 7.64                  | ....                                | 10.00        |
|             | MACHNICKI'S GRAIN STORE,<br>Jewett City, Conn.                                   |                       |                                     |              |
| 3566        | Machnicki's Hi-Energy All<br>Mash Layer  | 11.78                 | 15.00                               | 15.75        |
| 4319        | Machnicki's Special 16%<br>Dairy Pellets   | 10.52                 | 16.00                               | 16.00        |
|             | THE MANITOBA SUGAR CO.,<br>LTD., Winnipeg, Manitoba,<br>Canada                   |                       |                                     |              |
| 3849        | Plain Dried Beet Pulp  | 10.91                 | 7.00                                | 8.75         |
|             | MAXON MILLS, INC.,<br>Wassaic, N. Y.   |                       |                                     |              |
| 4234        | Maxon 16% Test   | 12.81                 | 16.00                               | 16.00        |
| 4235        | Maxon 18% Test   | 12.91                 | 18.00                               | <u>16.50</u> |
|             | MINER-HILLARD MILLING<br>CO., Wilkes Barre, Penn.                                |                       |                                     |              |
| 3571        | Choice Steam Cooked Hominy<br>Feed   | 10.91                 | 10.00                               | 11.50        |



Indicates deficiencies.



## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |             | Medicants |
|-------------------------------------|-------|-------------------------------------|-------------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found       |           |
| 3.50                                | 4.21  | 7.00                                | <u>8.02</u> |           |
| ....                                | 9.54  | ....                                | 0.36        |           |
| 3.50                                | 3.71  | 4.00                                | 4.08        |           |
| 4.00                                | 4.71  | 8.00                                | 7.65        |           |
| 0.30                                | 2.01  | 22.50                               | 19.55       |           |
| 4.00                                | 3.96  | 9.00                                | 6.25        |           |
| 4.00                                | 8.27  | 9.00                                | 5.24        |           |
| 5.00                                | 5.81  | 5.00                                | 4.24        |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Protein<br>(N x 6.25) |                                     |       |
|-------------|---|-----------------------|-------------------------------------|-------|
|             |   | Mois-<br>ture         | Guaran-<br>teed not<br>less<br>than | Found |
|             | MINNESOTA LINSEED OIL<br>CO., Minneapolis, Minn.                |                       |                                     |       |
| 3602        | Minnesota Solvent Extracted<br>Linseed Meal 32% Protein         | 11.67                 | 32.00                               | 33.25 |
|             | MOLSON'S BREWERY (ONT.)<br>LTD., Toronto, Canada                |                       |                                     |       |
| 3691        | Molson's Brewers Dried<br>Grains                                | 9.10                  | 24.00                               | 25.13 |
|             | GEO. Q. MOON & CO.,<br>INC., Binghamton, N. Y.                  |                       |                                     |       |
| 4163        | Moon Rabbit Pellets   | 9.81                  | 15.00                               | 16.75 |
| 4164        | Moon Scratch Feed   | 11.47                 | 9.00                                | 10.00 |
|             | MOWAT, WILSON & CO.,<br>Detroit, Mich.                          |                       |                                     |       |
| 3503        | Dried Beet Pulp   | 11.97                 | 7.00                                | 9.50  |
|             | MT. VERNON MILLING<br>CO., Mt. Vernon, Ind.                     |                       |                                     |       |
| 3718        | Sunlite Hominy Feed   | 8.92                  | 10.00                               | 11.25 |
|             | MURPHY GRAIN & MILLING<br>CO., Owensboro, Ky.                   |                       |                                     |       |
| 3863        | Airolite Hominy Feed  | 10.00                 | 9.00                                | 9.75  |
|             | NATIONAL ALFALFA DEHY-<br>DRATING & MILLING CO.,<br>Lamar, Col. |                       |                                     |       |
| 3711        | Jack Rabbit 15% Protein<br>Dehy. Alfalfa Meal                   | 5.62                  | 15.00                               | 16.00 |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |              | Medicants |
|-------------------------------------|-------------|-------------------------------------|--------------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found        |           |
| 0.50                                | 2.22        | 11.00                               | 9.51         |           |
| 7.00                                | <u>6.05</u> | 14.50                               | <u>15.30</u> |           |
| 2.50                                | 3.78        | 12.00                               | 11.27        |           |
| 2.00                                | 3.32        | 5.00                                | 4.64         |           |
| 0.30                                | 1.01        | 22.50                               | 19.85        |           |
| 5.00                                | 6.41        | 6.00                                | 4.66         |           |
| 6.00                                | 7.35        | 6.00                                | 3.88         |           |
| 1.50                                | 3.38        | 30.00                               | 27.62        |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Protein<br>(N x 6.25) |                                     |       |
|-------------|---|-----------------------|-------------------------------------|-------|
|             |   | Mois-<br>ture         | Guaran-<br>teed not<br>less<br>than | Found |
|             | NATIONAL ALFALFA DEHY-<br>DRATING & MILLING CO.,<br>Kansas City, Mo.  |                       |                                     |       |
| 3882        | National Pro 17 17% Dehy.<br>Alfalfa Meal   | 7.76                  | 17.00                               | 18.00 |
|             | NATIONAL BISCUIT CO.,<br>(Toledo Mill), Toledo,<br>Ohio   |                       |                                     |       |
| 3590        | Pure Wheat Bran   | 11.96                 | 13.00                               | 13.00 |
|             | NATIONAL DISTILLERS<br>PRODUCTS CO., Div. of<br>National Distillers &<br>Chemical Corp., New<br>York, N. Y. |                       |                                     |       |
| 4313        | Produlac Brand Corn Dis-<br>tillers Dried Solubles--<br>Grains  | 8.56                  | 25.00                               | 27.50 |
|             | NORTHERN OHIO SUGAR<br>CO., Findlay, Ohio   |                       |                                     |       |
| 3704        | GW Dried Beet Pulp  | 10.31                 | 8.00                                | 9.75  |
|             | OGDEN GRAIN CO.,<br>Utica, N. Y.  |                       |                                     |       |
| 4067        | C. L. Special 16  | 11.38                 | 16.00                               | 17.00 |
| 3631        | Delaware Middlesex All-<br>Mash Layer   | 11.40                 | 16.00                               | 16.25 |
| 4064        | Distillers  | 9.86                  | ....                                | 25.50 |
| 4105        | Eastern Conn. Grain Asso-<br>ciates Chick Starter<br>Mash Medicated   | 10.14                 | 20.00                               | 20.00 |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |             | Medicants                                     |
|-------------------------------------|-------------|-------------------------------------|-------------|---|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found       |   |
| 1.50                                | 3.69        | 27.00                               | 23.53       |   |
| 3.00                                | 4.31        | 10.00                               | 8.92        |   |
| 8.00                                | 9.79        | 9.00                                | 7.13        |   |
| ....                                | ....        | 22.50                               | 18.88       |   |
| 3.50                                | <u>2.91</u> | 8.50                                | <u>2.62</u> |   |
| 4.00                                | 5.06        | 4.00                                | 4.51        |   |
| ....                                | 8.37        | ....                                | 10.01       |   |
| 3.00                                | 3.94        | 4.50                                | 4.21        | Amprolium: Guar., 0.0125%;<br>found, 0.0109%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                             | Protein<br>(N x 6.25) |                                     |       |
|-------------|--|-----------------------|-------------------------------------|-------|
|             |  | Mois-<br>ture         | Guaran-<br>teed not<br>less<br>than | Found |
| 4075        | Eastern Conn. Grain Asso-<br>ciates Growing Mash   | 11.44                 | 15.00                               | 15.25 |
| 3708        | Eastern Conn. Grain Asso-<br>ciates Recycler No. 2 | 10.55                 | 17.00                               | 16.25 |
| 3707        | 14% Grain Ration                                   | 11.01                 | 14.00                               | 15.50 |
| 4068        | Ogden Complete Grower                              | 10.24                 | 16.00                               | 18.50 |
| 3632        | Ogden Davis Dairy Pellets                          | 11.02                 | 16.00                               | 16.00 |
| 3630        | Ogden Doc 16% Dairy                                | 10.79                 | 16.00                               | 18.25 |
| 3709        | Ogden Doc 20% Dairy                                | 10.72                 | 20.00                               | 21.75 |
| 4113        | Ogden Hi-Energy Laying<br>Medicated                | 9.62                  | 16.00                               | 16.00 |
| 4061        | Ogden 16% Hi-Kal Dairy<br>Pellets                  | 10.31                 | 16.00                               | 18.50 |
| 4066        | Ogden 18% Hi-Kal Dairy<br>Pellets                  | 9.78                  | 18.00                               | 20.50 |
| 3638        | Ogden Horse Feed                                   | 12.81                 | 10.00                               | 13.50 |
| 3634        | Ogden Life Span 15                                 | 11.61                 | 15.00                               | 16.75 |
| 4097        | Ogden Medicated Complete<br>Calf Starter           | 12.06                 | 18.00                               | 19.50 |
| 4073        | Ogden Milk Replacer                                | 4.78                  | 21.00                               | 22.25 |
| 4060        | Ogden Old Reliable 16 Dairy<br>Ration              | 11.56                 | 16.00                               | 16.00 |
| 4063        | Ogden Premium Dry &<br>Freshening Ration           | 11.44                 | 14.00                               | 15.00 |
| 4059        | Ogden Premium 16 Hi-<br>Energy Dairy Pellets       | 10.50                 | 16.00                               | 18.63 |
| 4035        | Ogden Premium 16 Pel-<br>Flake                     | 12.27                 | 16.00                               | 17.50 |
| 3635        | Ogden Premium 18 Pel-<br>Flake                     | 11.96                 | 18.00                               | 18.00 |
| 4065        | Ogden Premium Test Cow<br>16                       | 11.31                 | 16.00                               | 18.00 |
| 4033        | Ogden Premium Test Cow<br>18                       | 11.13                 | 18.00                               | 20.00 |
| 4031        | Ogden Rabbit Pellets                               | 10.15                 | 18.00                               | 17.25 |
| 3633        | Ogden R.S. 10 Roughage<br>Supplement               | 10.54                 | 10.00                               | 11.00 |
| 4032        | Ogden Scratch Grains                               | 11.81                 | 9.00                                | 9.50  |
| 4053        | Ogden Super Hi-Energy<br>Laying                    | 9.46                  | 20.00                               | 20.25 |
| 3710        | Super 16% Dairy Ration                             | 11.42                 | 16.00                               | 16.00 |

~~~~~ Indicates deficiencies.



## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |              | Medicants                                                                     |
|-------------------------------------|-------------|-------------------------------------|--------------|-------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found        |                                                                               |
| 3.00                                | 3.89        | 4.50                                | 4.53         |                                                                               |
| 4.00                                | 4.91        | 4.00                                | 3.21         |                                                                               |
| 3.50                                | 4.04        | 7.00                                | 6.39         |                                                                               |
| 3.50                                | 3.58        | 4.00                                | <u>5.31</u>  |                                                                               |
| 3.00                                | 3.53        | 9.00                                | <u>8.27</u>  |                                                                               |
| 4.00                                | <u>3.61</u> | 8.00                                | <u>11.87</u> |                                                                               |
| 3.50                                | <u>3.80</u> | 8.00                                | <u>8.10</u>  |                                                                               |
| 4.00                                | 4.11        | 4.00                                | 3.92         | Arsanilic acid: Guar.,<br>0.0100%; found, 0.0081%.                            |
| 4.00                                | 4.12        | 8.00                                | 7.84         |                                                                               |
| 4.00                                | <u>3.74</u> | 8.00                                | 7.87         |                                                                               |
| 3.00                                | <u>3.01</u> | 9.00                                | 6.25         |                                                                               |
| 3.50                                | <u>3.08</u> | 7.00                                | 7.71         |                                                                               |
| 3.00                                | 2.91        | 7.00                                | 6.48         | Chlortetracycline hydrochlor-<br>ide: Guar., 0.025 gms/lb.;<br>found, 0.024%. |
| 8.50                                | <u>8.24</u> | 0.50                                | 0.55         |                                                                               |
| 3.00                                | 3.44        | 9.00                                | 8.59         |                                                                               |
| 3.50                                | <u>3.12</u> | 8.00                                | 7.35         |                                                                               |
| 3.50                                | 3.60        | 6.50                                | 7.17         |                                                                               |
| 4.00                                | <u>3.63</u> | 8.00                                | 7.25         |                                                                               |
| 4.00                                | 3.77        | 8.00                                | 7.35         |                                                                               |
| 3.50                                | <u>3.19</u> | 8.00                                | 8.13         |                                                                               |
| 3.50                                | <u>3.24</u> | 8.00                                | 8.52         |                                                                               |
| 3.00                                | <u>3.67</u> | 12.00                               | 8.72         |                                                                               |
| 2.00                                | 2.37        | 20.00                               | 11.74        |                                                                               |
| 3.00                                | 3.61        | 6.00                                | 3.48         |                                                                               |
| 4.50                                | 4.54        | 4.00                                | 4.55         |                                                                               |
| 3.50                                | 4.11        | 8.00                                | 6.74         |                                                                               |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                     | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|------------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                            |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | THE OGILVIE FLOUR MILLS<br>CO., LTD., Montreal,<br>Canada  |               |                                     |       |
| 3585        | Ogilvie Wheat Bran                                         | 11.09         | 15.00                               | 17.00 |
|             | PARRISH & HEIMBECKER,<br>LTD., Toronto, Ontario,<br>Canada |               |                                     |       |
| 4154        | Parrheim Pure Wheat Bran                                   | 12.44         | 14.00                               | 15.75 |
| 3621        | "Parrheim" Pure Wheat<br>Shorts                            | 11.88         | 14.00                               | 17.00 |
|             | CHAS. PFIZER & CO., INC.,<br>New York 17, N. Y.            |               |                                     |       |
| 3640        | Pfizer Vigofac-6 fermenta-<br>tion Product                 | 10.00         | 14.00                               | 22.50 |
|             | PIERCE GRAIN CORP.,<br>Buffalo, N. Y.                      |               |                                     |       |
| 3700        | Reliance Coarse Calf Meal                                  | 11.06         | 20.00                               | 21.25 |
| 3695        | Reliance Horse Feed For-<br>tified                         | 12.69         | 11.00                               | 11.75 |
| 3694        | Sweet Sweet Mix                                            | 11.50         | 6.00                                | 9.50  |
|             | PILLSBURY CANADA LTD.,<br>Midland, Ontario, Canada         |               |                                     |       |
| 4165        | Dandy Wheat Bran                                           | 11.21         | 14.00                               | 16.50 |
| 4334        | Dandy Wheat Shorts                                         | 11.05         | 15.00                               | 17.50 |
|             | PITTSBURGH BREWING CO.,<br>Pittsburgh, Penn.               |               |                                     |       |
| 4279        | Iron City Brewers Dried<br>Grains                          | 6.29          | 24.00                               | 28.75 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |           |
| 3.50                                | 5.24  | 12.00                               | 11.78 |           |
| 3.50                                | 4.59  | 11.50                               | 10.60 |           |
| 3.50                                | 5.13  | 8.00                                | 7.35  |           |
| 0.50                                | 0.72  | 8.00                                | 4.97  |           |
| 3.00                                | 3.90  | 8.00                                | 6.75  |           |
| 3.00                                | 3.26  | 8.00                                | 6.33  |           |
| 1.00                                | 2.30  | 12.00                               | 12.10 |           |
| 3.50                                | 5.07  | 11.50                               | 10.00 |           |
| 4.00                                | 5.03  | 8.00                                | 6.26  |           |
| 6.00                                | 0.91  | 18.00                               | 12.61 |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                               | Manufacturer and brand                                | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|---------------------------------------------------------------------------|-------------------------------------------------------|---------------|-------------------------------------|-------|
|                                                                           |                                                       |               | Guaran-<br>teed not<br>less<br>than | Found |
| THE QUAKER OATS CO.,<br>Chicago, Ill.                                     |                                                       |               |                                     |       |
| 3597                                                                      | Ful-O-Pep Derwood Horse<br>Crunch                     | 10.01         | 15.00                               | 15.75 |
| 3604                                                                      | Yellow Hominy Feed S                                  | 11.39         | 10.00                               | 11.25 |
| THE QUAKER OATS CO. of<br>CANADA LTD., Peter-<br>borough, Ontario, Canada |                                                       |               |                                     |       |
| 3689                                                                      | Hominy Feed                                           | 9.31          | 9.00                                | 10.25 |
| RALSTON PURINA CO.,<br>St. Louis, Mo.                                     |                                                       |               |                                     |       |
| 4034                                                                      | Crimped Whole Oats &<br>Molasses A902                 | 11.47         | 11.00                               | 10.50 |
| 3851                                                                      | Northeastern Scratch Feed<br>6735                     | 13.09         | 9.00                                | 9.25  |
| 3886                                                                      | 41% Protein Solvent Ex-<br>tracted Cottonseed Meal    | 9.73          | 41.00                               | 40.50 |
| 4020                                                                      | 44% Protein Solvent Ex-<br>tracted Soybean Meal       | 11.31         | 44.00                               | 44.00 |
| 3603                                                                      | 34% Protein (Solvent Pro-<br>cess) Linseed Oil Meal   | 12.21         | 34.00                               | 34.00 |
| 3607                                                                      | Purina B & M Cow Chow<br>1432                         | 13.59         | 16.00                               | 16.00 |
| 3951                                                                      | Purina Broiler Chow<br>Finisher No. 1 MP Med.<br>7207 | 10.06         | 20.00                               | 21.50 |
| 3952                                                                      | Purina Broiler Chow Starter<br>MP Medicated 7009      | 10.42         | 23.00                               | 23.75 |
| 4408                                                                      | Purina Broiler Chow Starter<br>NC Medicated 7003      | 11.26         | 23.00                               | 24.75 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                                      |
|-------------------------------------|-------|-------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                |
| 4.00                                | 4.42  | 10.00                               | 8.25  |                                                                                                                                |
| 5.00                                | 6.56  | 7.00                                | 4.32  |                                                                                                                                |
| 6.00                                | 8.34  | 7.00                                | 4.59  |                                                                                                                                |
| 4.00                                | 5.41  | 12.00                               | 8.84  |                                                                                                                                |
| 2.00                                | 3.17  | 5.00                                | 3.88  |                                                                                                                                |
| 1.00                                | 2.81  | 14.00                               | 12.37 |                                                                                                                                |
| 0.50                                | 1.39  | 7.00                                | 6.37  |                                                                                                                                |
| 0.50                                | 2.18  | 9.50                                | 8.68  |                                                                                                                                |
| 2.50                                | 2.61  | 10.00                               | 5.54  |                                                                                                                                |
| 4.50                                | 8.66  | 4.50                                | 2.64  | Amprolium: Guar., 0.0125%;<br>found, 0.0102%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00042%.                               |
| 4.50                                | 7.14  | 4.50                                | 1.23  | Amprolium: Guar., 0.0125%;<br>found, 0.0106%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00043%.                               |
| 4.50                                | 5.98  | 4.50                                | 2.16  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0053%. Nicarbazin:<br>Guar., 0.0125%; found,<br>0.0136%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand        | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|-------------------------------|---------------|-------------------------------------|-------|
|             |                               |               | Guaran-<br>teed not<br>less<br>than | Found |
| 3979        | Purina Bulky Las 1960 M       | 13.35         | 10.00                               | 10.75 |
| 4336        | Purina Calf Startena 1014     | 10.65         | 19.50                               | 20.25 |
| 3984        | Purina Calf Startena (Coarse) |               |                                     |       |
|             | 1012                          | 11.57         | 19.50                               | 19.50 |
| 4054        | Purina Chick Chow (Coarse)    |               |                                     |       |
|             | 6715                          | 12.55         | 9.00                                | 9.25  |
| 3853        | Purina Chick Chow (Fine)      |               |                                     |       |
|             | 6710                          | 12.96         | 9.00                                | 9.25  |
| 3855        | Purina Chick Growena 6101     | 10.78         | 17.00                               | 17.00 |
| 4379        | Purina Chick Growena ZO       |               |                                     |       |
|             | Medicated 6109                | 10.80         | 17.00                               | 17.00 |
| 4375        | Purina Chick Starter (J)      |               |                                     |       |
|             | ZO-V Medicated 6011           | 12.36         | 18.00                               | 19.25 |
| 3981        | Purina Cow Chow D 16%         |               |                                     |       |
|             | 1420 C                        | 11.61         | 16.00                               | 16.00 |
| 4332        | Purina Cow Chow D (B) 16%     |               |                                     |       |
|             | 1421                          | 10.67         | 16.00                               | 16.25 |
| 3885        | Purina Dairy Chow L 14%       |               |                                     |       |
|             | (Coarse) 1468                 | 9.96          | 14.00                               | 15.00 |
| 3982        | Purina Dairy Chow L 16%       |               |                                     |       |
|             | 1472 C                        | 11.61         | 16.00                               | 16.75 |
| 4220        | Purina .0023 Dienestrol       |               |                                     |       |
|             | Diacetate Mixture in          |               |                                     |       |
|             | Purina Roaster Chow NC        |               |                                     |       |
|             | (7352)                        | 11.31         | 15.00                               | 18.38 |
| 3606        | Purina D & F Chow (Coarse)    |               |                                     |       |
|             | 1101                          | 11.88         | 12.50                               | 12.88 |
| 4291        | Purina D & F Chow (Pellets)   |               |                                     |       |
|             | 1120                          | 11.10         | 12.50                               | 13.25 |
| 4295        | Purina Drouth Milk Chow       |               |                                     |       |
|             | 1585                          | 12.12         | 16.00                               | 16.75 |
| 3888        | Purina Duck Growena 8815      | 10.56         | 16.00                               | 18.50 |
| 4023        | Purina Duck Startena 8801 C   | 9.90          | 20.00                               | 21.50 |
| 4021        | Purina Egg Chow T 6615        | 10.74         | 20.00                               | 20.25 |
| 4331        | Purina Game Bird Breeder      |               |                                     |       |
|             | Layena (Complete Ration)      |               |                                     |       |
|             | 5438                          | 10.11         | 20.00                               | 21.75 |
| 3986        | Purina Game Bird F & M        |               |                                     |       |
|             | Chow 5431 C                   | 10.94         | 19.00                               | 20.50 |
| 3890        | Purina Game Bird Finisher     |               |                                     |       |
|             | 5425                          | 9.75          | 20.00                               | 21.25 |



## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                  |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                            |
| 1.00                                | 1.92  | 15.00                               | 12.36 |                                                                                                            |
| 5.00                                | 7.76  | 11.00                               | 6.57  |                                                                                                            |
| 2.50                                | 3.71  | 8.00                                | 6.38  |                                                                                                            |
| 2.00                                | 3.04  | 4.00                                | 1.55  |                                                                                                            |
| 2.00                                | 4.56  | 4.00                                | 1.77  |                                                                                                            |
| 3.00                                | 5.00  | 7.00                                | 4.55  |                                                                                                            |
| 3.00                                | 3.93  | 7.00                                | 3.68  | Zoalene: Guar., 0.0083%;<br>found, 0.0070%.                                                                |
| 3.00                                | 4.52  | 6.00                                | 4.45  | Zoalene: Guar., 0.0083%;<br>found, 0.0081%.                                                                |
| 2.50                                | 3.63  | 6.00                                | 5.42  |                                                                                                            |
| 2.50                                | 4.61  | 6.00                                | 5.39  |                                                                                                            |
| 2.50                                | 4.29  | 10.00                               | 9.48  |                                                                                                            |
| 2.50                                | 4.42  | 12.00                               | 11.09 |                                                                                                            |
| 4.00                                | 8.55  | 4.50                                | 2.58  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0126%. Dienestrol<br>diacetate: Guar., 0.0023%;<br>found, 0.0023%. |
| 2.50                                | 3.16  | 11.00                               | 8.62  |                                                                                                            |
| 2.50                                | 3.60  | 11.00                               | 9.30  |                                                                                                            |
| 2.50                                | 3.63  | 6.00                                | 3.08  |                                                                                                            |
| 3.00                                | 3.69  | 5.00                                | 3.45  |                                                                                                            |
| 3.00                                | 4.37  | 6.00                                | 3.51  |                                                                                                            |
| 3.00                                | 3.54  | 7.00                                | 4.92  |                                                                                                            |
| 2.50                                | 3.87  | 7.00                                | 4.54  |                                                                                                            |
| 2.00                                | 3.81  | 12.00                               | 6.42  |                                                                                                            |
| 2.50                                | 5.78  | 6.00                                | 4.12  |                                                                                                            |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                             | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|----------------------------------------------------|----------|--------------------------|-------|
|             |                                                    |          | Guaranteed not less than | Found |
| 4111        | Purina Game Bird Startena SQ Medicated 5420        | 9.56     | 30.00                    | 32.00 |
| 4292        | Purina Goat Chow (Coarse) 5501                     | 12.42    | 16.00                    | 16.00 |
| 3987        | Purina Hen Chow D 6765                             | 12.94    | 9.00                     | 10.00 |
| 4401        | Purina Hog Finisher No. 1 Medicated 2210           | 12.04    | 14.00                    | 14.00 |
| 3823        | Purina Horse Chow Checkers 3501                    | 8.87     | 12.50                    | 14.50 |
| 3852        | Purina Layena CF 6501                              | 11.25    | 16.00                    | 16.50 |
| 4451        | Purina Medicated Breeder Eggena (NE) FZ No. 4 6445 | 12.25    | 16.00                    | 16.00 |
| 4004        | Purina Medicated Breeder Eggena (NE) HX2-- 6448    | 10.37    | 16.00                    | 16.75 |
| 2699        | Purina Medicated Chek-R-Aid                        | 12.06    | 20.00                    | 21.25 |
| 4017        | Purina Medicated Pig Startena                      | 10.61    | 18.00                    | 20.75 |
| 4022        | Purina Mink Developer Concentrate                  | 9.44     | 18.00                    | 19.50 |
| 4333        | Purina Milk Chow D 16% 1445                        | 10.67    | 16.00                    | 18.00 |
| 3608        | Purina Milk Chow D 16% (Coarse) 1446               | 11.88    | 16.00                    | 16.50 |
| 4288        | Purina Milk Chow D 20% (Coarse) 1454               | 11.01    | 20.00                    | 21.25 |
| 4289        | Purina Milk Chow D 20% (Pellets) 1453              | 10.97    | 20.00                    | 21.00 |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |             | Medicants                                                                                                                                                                                   |
|-------------------------------------|-------------|-------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found       |                                                                                                                                                                                             |
| 2.50                                | 3.12        | 6.50                                | 4.80        | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0179%.                                                                                                                                        |
| 3.00                                | 4.06        | 9.00                                | 6.32        |                                                                                                                                                                                             |
| 2.00                                | 3.18        | 5.00                                | 2.27        |                                                                                                                                                                                             |
| 2.50                                | 4.31        | 7.00                                | 3.57        | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0043%.                                                                                                                |
| 1.50                                | 3.43        | 25.00                               | 22.98       |                                                                                                                                                                                             |
| 3.50                                | 4.48        | 4.50                                | 3.39        |                                                                                                                                                                                             |
| 3.00                                | 4.62        | 4.50                                | 2.97        | Furazolidone: Guar.,<br>0.0220%; found, 0.0211%.                                                                                                                                            |
| 3.00                                | 4.29        | 4.50                                | 3.14        | Hygromycin B: Guar.,<br>0.006 gms/lb.; not detd.                                                                                                                                            |
| 4.50                                | ....        | 4.50                                | <u>5.81</u> | Furazolidone: Guar., 0.011%;<br>not determined. Chlortetra-<br>cycline hydrochloride: Guar.,<br>50 gms/ton; found, 51.61<br>gms/ton. Oxytetracycline:<br>50 gms/ton; not determined.        |
| 4.00                                | 4.81        | 5.00                                | 3.83        | Sulfamethazine: Guar., 0.011%;<br>not determined. Penicillin:<br>Guar., 50 gms/ton; not<br>determined. Chlortetracyc-<br>line hydrochloride: Guar.,<br>100 gms/ton; found, 96.0<br>gms/ton. |
| 4.00                                | <u>3.24</u> | 7.00                                | 6.32        |                                                                                                                                                                                             |
| 2.50                                | 4.17        | 9.00                                | 7.11        |                                                                                                                                                                                             |
| 2.50                                | 3.39        | 9.00                                | 6.68        |                                                                                                                                                                                             |
| 2.50                                | 3.72        | 9.00                                | 6.57        |                                                                                                                                                                                             |
| 2.50                                | 4.24        | 9.00                                | 7.46        |                                                                                                                                                                                             |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                              | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------|----------|--------------------------|-------|
|             |                                                     |          | Guaranteed not less than | Found |
| 3983        | Purina Milk Chow D (U) 16%<br>1433 C                | 12.17    | 16.00                    | 17.00 |
| 4029        | Purina Milk Chow D (U) 16%<br>(Coarse) 1434 M       | 10.80    | 16.00                    | 16.88 |
| 4330        | Purina Nursing Chow                                 | 6.17     | 25.00                    | 26.50 |
| 4014        | Purina Nursing Chow Med.                            | 4.91     | 22.00                    | 23.75 |
| 3850        | Purina Omolene 3505                                 | 13.32    | 10.00                    | 10.00 |
| 4294        | Purina Pigeon Chow Checkers<br>5405                 | 11.64    | 15.00                    | 15.00 |
| 3884        | Purina Pro-Lay Eggena 6580                          | 10.81    | 15.00                    | 15.75 |
| 4381        | Purina Pullet Developer (F)<br>ZO Medicated 6175    | 12.61    | 13.00                    | 14.25 |
| 3889        | Purina Rabbit Chow Checkers<br>5301                 | 9.74     | 15.00                    | 15.00 |
| 3985        | Purina Rabbit Chow Checkers<br>(20%) 5325 C         | 9.77     | 20.00                    | 20.00 |
| 4450        | Purina Rabbit Chow Checkers<br>FZ SQ Medicated 5310 | 10.06    | 15.00                    | 15.50 |
| 3825        | Purina Rabbit Chow Checkers<br>WO 5320              | 9.49     | 15.00                    | 15.00 |
| 4287        | Purina Range Checkers A<br>3110                     | 10.48    | 20.00                    | 21.25 |
| 3887        | Purina Roaster Chow 7346                            | 11.06    | 15.00                    | 18.00 |
| 4452        | Purina Turkey Finisher No. 1<br>HZ Medicated 8233   | 12.24    | 15.00                    | 17.00 |
| 4447        | Purina Turkey Finisher No. 2<br>HZ Medicated 8253   | 12.34    | 13.50                    | 15.25 |
| 3610        | Purina Turkey Finisher No. 2<br>(Pellets) 8250      | 11.44    | 13.50                    | 13.75 |
| 3980        | Purina Turkey Growena No. 1<br>8101                 | 11.52    | 23.00                    | 25.00 |
| 3609        | Purina Turkey Growena No. 2<br>8130 (Pellets)       | 10.78    | 20.00                    | 20.50 |
| 4329        | Purina Turkey Startena 8040                         | 9.60     | 27.00                    | 28.25 |
| 3601        | Wheat Middlings                                     | 11.90    | 15.00                    | 15.00 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                     |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                               |
| 2.50                                | 4.12  | 9.00                                | 7.67  |                                                                                                               |
| 2.50                                | 4.03  | 9.00                                | 7.05  |                                                                                                               |
| 2.50                                | 3.59  | 1.50                                | 0.94  |                                                                                                               |
| 8.00                                | 8.12  | 0.50                                | 0.25  | Chlortetracycline hydrochlor-<br>ide: Guar., 50 gms/ton ;<br>found, 60.0 gms/ton.                             |
| 2.00                                | 5.02  | 9.00                                | 6.35  |                                                                                                               |
| 2.50                                | 3.91  | 6.00                                | 3.55  |                                                                                                               |
| 3.00                                | 4.53  | 4.50                                | 3.12  |                                                                                                               |
| 2.50                                | 4.36  | 9.00                                | 5.22  | Zoalene: Guar., 0.0083% ;<br>found, 0.0072%.                                                                  |
| 2.00                                | 3.00  | 18.00                               | 14.18 |                                                                                                               |
| 2.00                                | 3.14  | 16.00                               | 13.81 |                                                                                                               |
| 2.00                                | 3.94  | 18.00                               | 13.85 | Furazolidone: Guar., 0.0055% ;<br>found, 0.0063% . Sulfquinox-<br>aline: Guar., 0.0250% ;<br>found, 0.0250% . |
| 2.00                                | 4.36  | 18.00                               | 11.48 |                                                                                                               |
| 1.50                                | 3.46  | 10.00                               | 9.50  |                                                                                                               |
| 4.00                                | 6.17  | 4.50                                | 2.23  |                                                                                                               |
| 3.50                                | 4.41  | 4.50                                | 3.18  | Hepzide: Guar., 0.030% ;<br>found, 0.029% .                                                                   |
| 3.50                                | 4.41  | 4.50                                | 2.80  | Hepzide: Guar., 0.03% ;<br>found, 0.032% .                                                                    |
| 3.50                                | 4.60  | 4.00                                | 3.41  |                                                                                                               |
| 3.00                                | 3.74  | 6.50                                | 4.79  |                                                                                                               |
| 3.00                                | 4.95  | 6.00                                | 4.14  |                                                                                                               |
| 3.00                                | 5.04  | 5.50                                | 3.99  |                                                                                                               |
| 4.00                                | 4.32  | 9.50                                | 8.94  |                                                                                                               |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                             | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|----------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                    |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | JOSEPH E. SEAGRAM & SONS,<br>INC., New York, N. Y. |               |                                     |       |
| 4079        | Seagram's Corn Distillers<br>Dried Solubles        | 5.81          | 25.00                               | 29.25 |
|             | SEYMOUR GRAIN & COAL CO.,<br>Seymour, Conn.        |               |                                     |       |
| 3653        | Miracle 14% Calf Grower                            | 12.06         | 14.00                               | 14.25 |
| 4133        | Miracle Calf Milk Replacer                         | 5.62          | 21.00                               | 21.25 |
| 4155        | Miracle Dairy 16%                                  | 12.87         | 16.00                               | 16.00 |
| 3650        | Miracle Hi-Efficiency Grower                       | 11.13         | 16.00                               | 17.25 |
| 3648        | Miracle Hi-Energy All-Mash<br>Layer                | 11.22         | 16.50                               | 18.50 |
| 4286        | Miracle Hi-Q 18% Dairy<br>(1/2 Pellets)            | 12.04         | 18.00                               | 21.75 |
| 3651        | Miracle Horse Feed with<br>Molasses                | 12.03         | 10.00                               | 10.25 |
| 3664        | Miracle 20% Laying Mash                            | 10.27         | 20.00                               | 21.13 |
| 3940        | Miracle Starter-Broiler<br>Medicated               | 11.71         | 20.00                               | 23.25 |
| 3649        | See-More-Milk Dairy Ration                         | 11.93         | 18.00                               | 18.00 |
| 3652        | See-More-Milk Dairy Ration                         | 12.04         | 20.00                               | 20.00 |
|             | SHERWOOD FEED MILLS,<br>INC., Baltimore, Md.       |               |                                     |       |
| 3565        | Brewer's Dried Grains                              | 9.60          | 26.00                               | 26.00 |
|             | F. W. STOCK & SONS, INC.,<br>Hillsdale, Mich.      |               |                                     |       |
| 3763        | Stock's Wheat Bran                                 | 14.46         | 13.00                               | 15.25 |



## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |       | Medicants                                                                        |
|-------------------------------------|-------------|-------------------------------------|-------|----------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |                                                                                  |
| 5.00                                | 8.35        | 5.00                                | 3.90  |                                                                                  |
| 3.00                                | 3.47        | 8.00                                | 5.60  |                                                                                  |
| 8.50                                | <u>6.37</u> | 0.50                                | 0.40  | Chlortetracycline hydrochlor-<br>ide: Guar., 30 gms/ton;<br>found, 30.4 gms/ton. |
| 3.50                                | 3.99        | 8.50                                | 5.58  |                                                                                  |
| 3.00                                | 4.28        | 5.50                                | 4.51  |                                                                                  |
| 4.25                                | 4.40        | 4.75                                | 3.22  |                                                                                  |
| 4.00                                | 4.27        | 4.00                                | 4.50  |                                                                                  |
| 3.50                                | 3.61        | 9.00                                | 6.13  |                                                                                  |
| 3.00                                | 3.36        | 6.50                                | 4.18  |                                                                                  |
| 3.50                                | 3.93        | 4.50                                | 3.58  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0102%.                             |
| 3.50                                | 3.71        | 8.50                                | 6.35  |                                                                                  |
| 3.00                                | 3.44        | 9.50                                | 5.92  |                                                                                  |
| 5.00                                | 5.44        | 15.00                               | 14.02 |                                                                                  |
| 2.75                                | 4.94        | 12.00                               | 10.48 |                                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|-------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                       |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | READING MILLING CO., INC.,<br>Reading, Penn.          |               |                                     |       |
| 3504        | Faramel 16% All Mash Layer<br>(Pelleted)              | 11.32         | 16.00                               | 17.25 |
| 3510        | Faramel Complete Rabbit<br>Pellets                    | 9.11          | 16.00                               | 18.50 |
|             | RELIABLE GRAIN & FUEL<br>CO., Ansonia, Conn.          |               |                                     |       |
| 4162        | Reliable Sweet 16% Dairy<br>Ration                    | 13.29         | 16.00                               | 16.00 |
|             | ROHLOFF BROS. INC.,<br>Graytown, Ohio                 |               |                                     |       |
| 3913        | Rohloff's Dehydrated Alfalfa<br>Meal--Animal Fat      | 9.72          | 15.00                               | 15.75 |
|             | WOLF SAVITSKY & SONS,<br>INC., Shelton, Conn.         |               |                                     |       |
| 3754        | Hominy Feed                                           | 11.11         | ....                                | 11.25 |
| 3542        | Wolf's Calf Starter                                   | 13.26         | 18.00                               | 19.00 |
| 3738        | Wolf's Complete Hi-Eff Egg<br>Breeder Mash Medicated  | 11.63         | 16.00                               | 16.50 |
| 3541        | Wolf's Complete Hi-Eff<br>Growing Mash                | 12.30         | 16.00                               | 17.25 |
| 4260        | Wolf's 16% Dairy Ration                               | 12.22         | 16.00                               | 16.00 |
| 4277        | Wolf's Heifer Feed                                    | 11.99         | 12.00                               | 13.00 |
| 3938        | Wolf's Hi-Speed Starter &<br>Broiler Ration Medicated | 11.62         | 20.50                               | 23.50 |
| 3972        | Wolf's Horse Feed                                     | 12.93         | 12.00                               | 15.25 |
| 4446        | Wolf's Medicated Complete<br>Hi-Eff Profit Builder    | 10.50         | 16.00                               | 18.25 |
| 4278        | Wolf's 16% Test Ration                                | 13.20         | 16.00                               | 16.00 |
| 3540        | Wolf's 18% Test Ration                                | 12.49         | 18.00                               | 18.75 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |              | Medicants  |
|-------------------------------------|-------|-------------------------------------|--------------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found        |  |
| 3.50                                | 4.04  | 4.50                                | <u>5.30</u>  |  |
| 3.00                                | 3.21  | 15.00                               | <u>16.32</u> |  |
| 3.00                                | 2.94  | 10.00                               | 6.24         |  |
| 2.50                                | 3.81  | 30.00                               | 29.17        |  |
| ....                                | 7.16  | ....                                | 4.72         |  |
| 2.75                                | 3.78  | 9.00                                | 7.28         |  |
| 3.00                                | 3.49  | 4.00                                | 2.80         | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0098%.   |
| 3.00                                | 3.67  | 4.00                                | 3.23         |  |
| 3.00                                | 6.30  | 10.00                               | 6.85         |  |
| 3.00                                | 4.41  | 9.00                                | 8.81         |  |
| 3.00                                | 3.82  | 4.00                                | 3.37         | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0110%.<br>Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0174%. |
| 2.75                                | 3.48  | 10.00                               | 7.30         |  |
| 3.00                                | 3.71  | 4.00                                | 3.10         | Furazolidone: Guar., 0.0110%<br>found, <u>0.0067%</u> .  |
| 3.00                                | 4.32  | 9.00                                | 6.97         |  |
| 3.00                                | 4.29  | 9.00                                | 6.05         |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                      | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---|---------------|-------------------------------------|-------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | SUNI-CITRUS PRODUCTS<br>CO., Haines City, Fla.              |               |                                     |       |
| 3899        | Sweet Suni-Citrus Pulp                                      | 11.06         | 6.00                                | 6.00  |
|             | T. H. TAYLOR CO., LTD.,<br>Chatham, Ontario,<br>Canada      |               |                                     |       |
| 3854        | Beaver Wheat Bran   | 11.21         | 13.50                               | 15.00 |
|             | TEKLAD INC., Monmouth,<br>Ill.                              |               |                                     |       |
| 3693        | Rockland Rabbit Ration                                      | 10.73         | 17.00                               | 18.25 |
|             | TROPICANA PRODUCTS<br>INC., Bradenton, Fla.                 |               |                                     |       |
| 3719        | Tropicana's Sweetest Dried<br>Citrus Pulp                   | 9.06          | 6.00                                | 6.00  |
|             | ULTRA-LIFE LABORATOR-<br>IES, INC., East St. Louis,<br>Ill. |               |                                     |       |
| 3669        | 17% Dehydrated Alfalfa Meal<br>Pellets                      | 8.41          | 17.00                               | 17.75 |
| 4158        | 32% Protein Solvent Extracted<br>Linseed Meal               | 10.80         | 32.00                               | 33.50 |
| 4159        | Ultra-Life Broiler-Gro                                      | 9.29          | 25.00                               | 31.25 |
| 4285        | Ultra-Life Calf Food Pellets,<br>Medicated                  | 8.96          | 24.00                               | 26.50 |
| 3642        | Ultra-Life High Energy<br>Poultry                           | 10.85         | 20.00                               | 21.50 |
| 3641        | Ultra-Life Layer Recycler                                   | 9.09          | 24.00                               | 26.25 |
| 3666        | Ultra-Life Livestock  | 7.79          | 13.00                               | 15.00 |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |       | Medicants |
|-------------------------------------|-------------|-------------------------------------|-------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |           |
| 3.00                                | <u>2.28</u> | 15.50                               | 13.04 |           |
| 3.00                                | 5.04        | 11.50                               | 10.58 |           |
| 1.50                                | 2.13        | 16.00                               | 15.25 |           |
| 2.00                                | 2.29        | 12.00                               | 11.86 |           |
| 2.50                                | 3.23        | 27.00                               | 24.49 |           |
| 0.50                                | 1.84        | 11.00                               | 8.96  |           |
| 5.00                                | 4.88        | 7.00                                | 6.21  |           |
| 3.00                                | 4.23        | 7.00                                | 6.49  |           |
| 7.00                                | 8.86        | 6.00                                | 5.90  |           |
| 6.00                                | 7.18        | 5.00                                | 3.45  |           |
| 2.00                                | 3.87        | 6.00                                | 4.69  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.   | Manufacturer and brand                 | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|---|--|---------------|-------------------------------------|--------------|
|   |  |               | Guaran-<br>teed not<br>less<br>than | Found        |
| UNITED COOPERATIVE<br>FARMERS INC.,<br>Fitchburg, Mass. |  |               |                                     |              |
| 4258  | UCF Calf Grower                        | 11.77         | 20.00                               | 21.75        |
| 3819  | UCF 14% Dairy                          | 11.05         | 14.00                               | 15.50        |
| 4255  | UCF 16% Dairy                          | 10.24         | 16.00                               | 17.50        |
| 4256  | UCF 20% Dairy                          | 11.81         | 20.00                               | <u>19.00</u> |
| 4259  | UCF Hi NRG All Mash<br>Breeder         | 10.93         | 16.00                               | 16.00        |
| 4254  | UCF Hi NRG All Mash<br>Grower          | 11.77         | 15.50                               | 15.50        |
| 3822  | UCF Hi NRG All Mash Layer              | 10.57         | 15.50                               | 15.50        |
| 3817  | UCF Hi NRG Lay Granules                | 10.59         | 15.50                               | 15.50        |
| 4376  | UCF Hi NRG Starter Med.                | 12.19         | 20.00                               | 20.75        |
| 3815  | UCF Horse Feed                         | 12.16         | 9.00                                | 12.50        |
| 4253  | UCF Layer                              | 10.51         | 20.00                               | 20.00        |
| 2692  | UCF Medicated Booster 200              | 11.79         | 16.50                               | 17.50        |
| 4012  | UCF Medicated Booster-200              | 10.62         | 16.50                               | 17.50        |
| 4443  | UCF Medicated Booster<br>NF 200        | 10.36         | 16.50                               | 17.00        |
| 3821  | UCF Milk Replacer                      | 8.01          | 20.00                               | 22.88        |
| 3818  | UCF Pig & Hog Feed                     | 11.12         | 20.00                               | 20.50        |
| 3820  | UCF Scratch Feed                       | 12.81         | 9.00                                | 10.25        |
| 4257  | UCF Sheep Creep Ration                 | 10.77         | 15.00                               | 17.50        |
| UNITY FEEDS DIVISION,<br>Agway Inc., Syracuse,<br>N. Y. |  |               |                                     |              |
| 4250  | Unity Feeds Complete Rabbit<br>Pellets | 8.92          | 16.00                               | 17.00        |
| 4247  | Unity Feeds Dairy & Fitting<br>Ration  | 11.50         | 14.00                               | 14.00        |

~~~~~ Indicates deficiencies.



## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                        |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                  |
| 3.00                                | 3.54  | 6.00                                | 3.72  |                                                                                  |
| 3.00                                | 5.10  | 8.00                                | 6.26  |                                                                                  |
| 3.50                                | 4.76  | 8.00                                | 7.60  |                                                                                  |
| 3.00                                | 3.76  | 7.00                                | 6.74  |                                                                                  |
| 4.00                                | 6.69  | 4.50                                | 2.72  |                                                                                  |
| 4.00                                | 4.73  | 4.00                                | 3.22  |                                                                                  |
| 4.00                                | 4.33  | 4.00                                | 3.02  |                                                                                  |
| 4.00                                | 5.08  | 4.00                                | 2.90  |                                                                                  |
| 4.00                                | 4.51  | 4.00                                | 3.21  | Zoalene: Guar., 0.0083%;<br>found, 0.0084%.                                      |
| 3.00                                | 4.97  | 9.00                                | 5.81  |                                                                                  |
| 4.00                                | 5.53  | 5.00                                | 4.05  |                                                                                  |
| 4.00                                | 6.31  | 4.50                                | 3.35  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb;<br>found, 0.095 gms/lb. |
| 4.00                                | 5.88  | 4.50                                | 3.10  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb;<br>found, 0.102 gms/lb. |
| 4.00                                | 5.94  | 4.50                                | 3.58  | Furazolidone: Guar., 0.0220%;<br>found, 0.0213%.                                 |
| 2.00                                | 2.04  | 2.00                                | 1.16  |                                                                                  |
| 3.00                                | 4.16  | 7.00                                | 4.04  |                                                                                  |
| 3.00                                | 3.15  | 7.00                                | 4.15  |                                                                                  |
| 2.50                                | 3.75  | 12.00                               | 8.55  |                                                                                  |
| 2.00                                | 5.17  | 16.00                               | 7.45  |                                                                                  |
| 3.50                                | 5.13  | 9.00                                | 6.89  |                                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                              | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|-----------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                     |               | Guaran-<br>teed not<br>less<br>than | Found |
| 3814        | Unity Feeds Growing &<br>Laying Mash                | 10.41         | 20.00                               | 20.00 |
| 4251        | Unity Feeds High Energy<br>Breeder Mash             | 10.19         | 16.00                               | 16.00 |
| 4252        | Unity Feeds High Energy<br>Growing Mash             | 10.71         | 15.00                               | 16.50 |
| 3807        | Unity Feeds High Energy<br>Laying Mash              | 10.70         | 15.00                               | 15.25 |
| 4248        | Unity Feeds 16% Milkets                             | 11.80         | 16.00                               | 18.25 |
| 3802        | Unity Feeds Pig & Hog<br>Ration                     | 11.79         | 17.00                               | 17.25 |
| 3803        | Unity Feeds Scratch Feed                            | 12.51         | 9.00                                | 10.25 |
| 4208        | Unity Feeds Super Starter<br>Medicated              | 12.10         | 20.00                               | 20.00 |
| 4398        | Unity Feeds Trim Med.                               | 10.94         | 15.50                               | 16.25 |
| 4399        | Unity Feeds Trim (Nicarba-<br>zin) Medicated        | 10.16         | 15.50                               | 15.50 |
| 4211        | Unity Feeds Turkey & Game<br>Bird Growing Mash Med. | 11.64         | 20.00                               | 20.75 |
| 3804        | Unity Improved Calf Ration                          | 11.19         | 20.00                               | 20.50 |
|             | UNIVERSAL GRAIN CO. of<br>N. J., Newark, N. J.      |               |                                     |       |
| 4062        | Superior Cow Brand Brewers<br>Dried Grains          | 12.22         | 26.00                               | 32.00 |
|             | WILLIAM S. WARREN &<br>SON, Eastford, Conn.         |               |                                     |       |
| 3702        | Calf Milk Replacer                                  | 6.03          | 28.00                               | 29.50 |
| 3706        | Warren Complete Growing                             | 10.12         | ....                                | 15.00 |
| 3699        | Warren's Complete Laying<br>Mash                    | 10.07         | 15.00                               | 16.00 |
| ~~~~~       | Indicates deficiencies.                             |               |                                     |       |

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |             | Medicants                                                                                                                       |
|-------------------------------------|-------------|-------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found       |                                                                                                                                 |
| 3.00                                | 4.26        | 6.00                                | 5.05        |                                                                                                                                 |
| 3.00                                | 5.26        | 4.00                                | 3.46        |                                                                                                                                 |
| 3.50                                | 4.87        | 4.00                                | 3.95        |                                                                                                                                 |
| 4.00                                | 4.68        | 4.00                                | 3.95        |                                                                                                                                 |
| 3.50                                | 5.29        | 9.00                                | 5.84        |                                                                                                                                 |
| 3.00                                | 4.49        | 6.00                                | 7.86        |                                                                                                                                 |
| 2.50                                | 4.06        | 5.00                                | 3.86        |                                                                                                                                 |
| 3.00                                | 4.79        | 4.00                                | 2.92        | Nicarbazin: Guar., 0.010%;<br>found, 0.0102%.                                                                                   |
| 3.00                                | 4.43        | 6.00                                | 4.16        | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0043%.                                                    |
| 3.00                                | 6.83        | 6.00                                | 3.98        | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0046%. Nicarba-<br>zin: Guar., 0.010%; found,<br>0.0140%. |
| 3.00                                | 4.61        | 5.00                                | 3.45        | Sulfaquinoxaline: Guar.,<br>0.0150%; not determined.                                                                            |
| 3.50                                | 4.77        | 6.00                                | 4.90        |                                                                                                                                 |
| 6.00                                | <u>4.62</u> | 17.00                               | 11.16       |                                                                                                                                 |
| 10.00                               | 11.24       | 3.00                                | 2.34        |                                                                                                                                 |
| ....                                | 4.06        | ....                                | 7.22        |                                                                                                                                 |
| 3.00                                | 4.57        | 6.00                                | <u>7.53</u> |                                                                                                                                 |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                           | Manufacturer and brand                 | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|---------------------------------------|----------------------------------------|---------------|-------------------------------------|-------|
|                                       |                                        |               | Guaran-<br>teed not<br>less<br>than | Found |
| 3703                                  | Warren's 16 Dairy Ration               | 10.38         | 16.00                               | 17.25 |
| 4240                                  | Warren's 16 Dairy Ration<br>Pellets    | 10.81         | 16.00                               | 16.50 |
| 4241                                  | Warren's Fitting Ration                | 12.00         | 14.00                               | 14.25 |
| 4239                                  | Warren's Horse Feed                    | 13.79         | 10.00                               | 10.25 |
| 3705                                  | Warren's 16% Test Ration               | 11.41         | 16.00                               | 16.75 |
| H. K. WEBSTER CO.,<br>Lawrence, Mass. |                                        |               |                                     |       |
| 4378                                  | Blue Seal C-4 Broiler Med.             | 11.04         | 23.00                               | 23.00 |
| 3876                                  | Blue Seal Calf Starter                 | 11.47         | 19.00                               | 19.75 |
| 3576                                  | Blue Seal Coarse 14 Fitting<br>Ration  | 13.35         | 14.00                               | 14.75 |
| 3574                                  | Blue Seal Coarse 16 Test<br>Cow Ration | 12.12         | 16.00                               | 16.00 |
| 3903                                  | Blue Seal Coarse 20 Test<br>Cow Ration | 11.62         | 20.00                               | 21.00 |
| 3900                                  | Blue Seal Complete Horse<br>Ration     | 12.02         | 12.50                               | 13.25 |
| 4383                                  | Blue Seal Chick Starter Med.           | 11.01         | 20.00                               | 20.50 |
| 4308                                  | Blue Seal "30" Dairy Concen-<br>trate  | 11.57         | 30.00                               | 33.25 |
| 3878                                  | Blue Seal 16% Dairy Mix                | 11.66         | 16.00                               | 16.75 |
| 3856                                  | Blue Seal Egg Mash                     | 9.86          | 20.00                               | 20.25 |
| 3901                                  | Blue Seal Fat & Finish Ration          | 11.76         | 18.00                               | 19.00 |
| 3799                                  | Blue Seal Grower-Cal                   | 11.16         | 16.00                               | 17.00 |
| 4377                                  | Blue Seal Grower-Cal ZL<br>Medicated   | 11.93         | 16.00                               | 17.50 |
| 4382                                  | Blue Seal Grow-Ettes ZL<br>Medicated   | 11.48         | 15.00                               | 15.50 |
| 3573                                  | Blue Seal Horse Feed                   | 12.96         | 10.00                               | 13.25 |
| 3554                                  | Blue Seal Layer-Cal                    | 11.56         | 16.00                               | 16.00 |
| 3797                                  | Blue Seal Lay-Ettes                    | 10.65         | 15.50                               | 16.25 |
| 4448                                  | Blue Seal Medicated NF-HI-<br>Mix      | 10.86         | 16.00                               | 17.25 |
| 4011                                  | Blue Seal Medicated<br>Ruminaid        | 11.10         | 14.00                               | 16.25 |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                     |
|-------------------------------------|-------|-------------------------------------|-------|-------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                               |
| 3.00                                | 3.81  | 9.00                                | 8.49  |                               |
| 2.50                                | 4.07  | 11.00                               | 9.75  |                               |
| 3.00                                | 4.59  | 11.00                               | 7.56  |                               |
| 3.00                                | 3.71  | 6.00                                | 4.88  |                               |
| 2.50                                | 3.36  | 9.00                                | 8.05  |                               |
|                                     |       |                                     |       | Zoalene: Guar., 0.0125%;      |
| 6.50                                | 6.88  | 3.00                                | 3.47  | found, 0.0121%.               |
| 3.00                                | 3.87  | 8.00                                | 6.65  |                               |
| 3.50                                | 3.61  | 8.00                                | 7.38  |                               |
| 3.50                                | 3.88  | 8.00                                | 7.52  |                               |
| 3.50                                | 4.02  | 8.00                                | 7.14  |                               |
| 2.50                                | 3.33  | 15.00                               | 13.63 |                               |
| 3.50                                | 4.19  | 4.50                                | 4.49  | Zoalene: Guar., 0.0125%;      |
|                                     |       |                                     |       | found, 0.0105%.               |
| 2.00                                | 2.54  | 11.00                               | 9.99  |                               |
| 3.00                                | 3.53  | 12.00                               | 11.60 |                               |
| 3.50                                | 4.84  | 3.50                                | 4.31  |                               |
| 4.50                                | 4.69  | 3.50                                | 3.84  |                               |
| 4.00                                | 4.24  | 3.50                                | 3.21  |                               |
|                                     |       |                                     |       | Zoalene: Guar., 0.0083%;      |
| 4.00                                | 4.67  | 3.50                                | 3.24  | found, 0.0097%.               |
| 3.00                                | 5.09  | 5.50                                | 5.00  | Zoalene: Guar., 0.0083%;      |
|                                     |       |                                     |       | found, 0.0067%.               |
| 3.00                                | 3.91  | 9.00                                | 6.99  |                               |
| 4.00                                | 4.46  | 3.50                                | 3.35  |                               |
| 3.50                                | 4.29  | 4.50                                | 4.66  |                               |
|                                     |       |                                     |       | Furazolidone: Guar., 0.0220%; |
| 4.00                                | 5.12  | 3.50                                | 3.42  | found, 0.0205%.               |
| 3.50                                | 4.14  | 9.00                                | 7.89  | Chlortetracycline hydrochlor- |
|                                     |       |                                     |       | ide: Guar., 0.1 gms/lb.;      |
|                                     |       |                                     |       | found, 0.092 gms/lb.          |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                           | Manufacturer and brand                       | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|---------------------------------------|----------------------------------------------|---------------|-------------------------------------|-------|
|                                       |                                              |               | Guaran-<br>teed not<br>less<br>than | Found |
| 3796                                  | Blue Seal Milk Replacer                      | 4.64          | 24.00                               | 25.75 |
| 3877                                  | Blue Seal Milkers 16 Pellets                 | 11.22         | 16.00                               | 17.25 |
| 3772                                  | Blue Seal Milkers 20 Pellets                 | 10.79         | 20.00                               | 20.00 |
| 3773                                  | Blue Seal 16% Nuggets                        | 10.93         | 16.00                               | 17.25 |
| 3944                                  | Blue Seal Pig Feed Medicated                 | 11.89         | 16.00                               | 18.25 |
| 3575                                  | Blue Seal Rabbit Pellets                     | 10.97         | 20.00                               | 20.50 |
| 3774                                  | Blue Seal Standard 16 Dairy<br>Ration        | 11.89         | 16.00                               | 16.25 |
| 4238                                  | Blue Seal Standard 20 Dairy<br>Ration        | 11.47         | 20.00                               | 20.88 |
| 3858                                  | Blue Seal Standard "14"<br>Fitting Ration    | 11.51         | 14.00                               | 14.25 |
| 4057                                  | Blue Seal Succulent Feed &<br>Calving Ration | 12.08         | 13.00                               | 14.25 |
| 3553                                  | Blue Seal Sweet Pulp                         | 12.67         | 9.00                                | 9.25  |
| 3875                                  | Blue Seal Tasty Meal                         | 10.30         | 24.00                               | 24.75 |
| 3798                                  | Blue Seal Turkey Growing                     | 10.32         | 20.00                               | 20.50 |
| 4402                                  | Blue Seal Turkey Growing<br>HS Medicated     | 10.35         | 20.00                               | 20.75 |
| 4309                                  | "CCC" 16% Dairy Ration                       | 13.17         | 16.00                               | 16.75 |
| 4310                                  | Custom Mix "CCC" Hay<br>Extender             | 12.82         | ....                                | 10.00 |
| WEST-NESBITT, INC.,<br>Oneonta, N. Y. |                                              |               |                                     |       |
| 4360                                  | "Beets-All" Horse Feed                       | 11.50         | 10.00                               | 12.75 |
| 3628                                  | Cream-Line Dairy Test<br>Ration              | 11.93         | 18.00                               | 18.50 |
| 3781                                  | Pure Feed Complete Layer                     | 10.22         | 17.00                               | 17.00 |
| 3626                                  | Pure Feed Complete Rabbit<br>Pellets         | 11.21         | 16.00                               | 16.75 |
| 3779                                  | Pure Feed 16% Dairy Pellets                  | 10.61         | 16.00                               | 17.25 |
| 3627                                  | Pure Feed Egg & Breeder                      | 10.71         | 22.00                               | 22.25 |
| 4359                                  | Pure Feed Egg Maker                          | 9.92          | 20.00                               | 18.75 |
| 4358                                  | Pure Feed 14% Fitting Ration                 | 13.64         | 14.00                               | 14.00 |
| 3778                                  | Pure Feed Grower                             | 10.86         | 18.00                               | 18.25 |
| 3625                                  | Pure Feed Horse Ration                       | 12.52         | 9.00                                | 11.25 |
| 3777                                  | Pure Feed Sweet "16"                         | 11.65         | 16.00                               | 16.25 |
| 3780                                  | Pure Feed Swine Ration                       | 10.11         | 16.00                               | 16.25 |
| 3629                                  | West-Nesbitt Milk Replacer                   | 5.25          | 21.00                               | 21.50 |
| ~~~~~ Indicates deficiencies.         |                                              |               |                                     |       |



## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                          |
|-------------------------------------|-------|-------------------------------------|-------|--------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                    |
| 10.00                               | 9.76  | 1.00                                | 0.68  | Arsanilic acid: Guar.,<br>0.010%; found, 0.0108%.                  |
| 3.50                                | 3.87  | 8.00                                | 7.94  |                                                                    |
| 3.50                                | 4.44  | 8.00                                | 7.81  |                                                                    |
| 3.50                                | 4.50  | 12.00                               | 10.66 |                                                                    |
| 4.00                                | 4.24  | 6.00                                | 5.64  |                                                                    |
| 3.00                                | 3.67  | 12.00                               | 11.45 | P-Ureidobenzeneearsonic acid<br>Guar., 0.0375%; found,<br>0.0391%. |
| 3.50                                | 4.04  | 8.50                                | 8.09  |                                                                    |
| 3.00                                | 3.86  | 8.00                                | 6.71  |                                                                    |
| 3.50                                | 5.03  | 9.00                                | 7.20  |                                                                    |
| 2.50                                | 3.09  | 12.00                               | 10.84 |                                                                    |
| 2.00                                | 3.27  | 5.00                                | 15.58 |                                                                    |
| 6.00                                | 6.31  | 4.00                                | 2.92  |                                                                    |
| 4.50                                | 4.75  | 4.00                                | 4.07  |                                                                    |
| 4.50                                | 5.29  | 4.00                                | 3.96  |                                                                    |
| 3.00                                | 4.31  | 5.00                                | 4.78  |                                                                    |
| ....                                | 3.78  | ....                                | 5.60  |                                                                    |
| 2.50                                | 3.66  | 12.00                               | 8.19  |                                                                    |
| 3.50                                | 3.69  | 8.00                                | 6.31  |                                                                    |
| 3.00                                | 5.10  | 4.50                                | 3.60  |                                                                    |
| 3.00                                | 4.26  | 14.00                               | 10.50 |                                                                    |
| 3.75                                | 4.17  | 8.00                                | 7.03  |                                                                    |
| 3.00                                | 4.41  | 6.00                                | 4.41  |                                                                    |
| 3.00                                | 4.01  | 6.50                                | 4.52  |                                                                    |
| 3.50                                | 3.75  | 7.00                                | 5.37  |                                                                    |
| 3.00                                | 5.51  | 5.00                                | 4.43  |                                                                    |
| 3.00                                | 3.23  | 10.00                               | 6.48  |                                                                    |
| 3.50                                | 4.09  | 9.00                                | 7.58  |                                                                    |
| 4.00                                | 4.44  | 8.00                                | 6.56  |                                                                    |
| 8.50                                | 8.91  | 0.50                                | 0.27  |                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                   | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|------------------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                                                          |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | WHITMOYER LABORATORIES<br>INC., Myerstown, Penn.                                         |               |                                     |       |
| 3672        | Flav-A-Dec                                                                               | 7.88          | 38.00                               | 43.50 |
|             | THE GEO. WIEDEMANN<br>BREWING CO., Newport,<br>Ky.                                       |               |                                     |       |
| 3543        | Brewers Dried Grains                                                                     | 8.96          | 24.00                               | 32.50 |
|             | THE WILLIAMS BROS. CO.,<br>Kent, Ohio                                                    |               |                                     |       |
| 3668        | Pure Ohio Wheat Bran                                                                     | 12.15         | 13.00                               | 14.00 |
|             | WILSON'S CORN PRODUCTS,<br>INC., Rochester, Ind.                                         |               |                                     |       |
| 3769        | Wilson Hominy Feed                                                                       | 11.86         | 9.50                                | 10.75 |
|             | WINTER GARDEN CITRUS<br>PRODUCTS COOPERATIVE,<br>Winter Garden, Fla.                     |               |                                     |       |
| 4298        | Wholesun Dried Citrus Pulp                                                               | 10.66         | 6.00                                | 6.00  |
|             | WIRTHMORE FEEDS, INC.,<br>Waltham, Mass.                                                 |               |                                     |       |
| 3690        | Big Y Veal Formula                                                                       | 4.39          | 20.00                               | 20.50 |
| 4361        | Emergency 16% Dairy Feed<br>524 T                                                        | 11.89         | 16.00                               | 20.00 |
| 4363        | Emergency 12% Forage Ex-<br>tender Dairy Feed Con-<br>taining (529 T) 70% Corn<br>(Meal) | 12.00         | 12.00                               | 14.75 |
| 4307        | Ground Corn & Ground Oats<br>Mix 50 - 50                                                 | 12.09         | ....                                | 11.75 |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |              | Fiber                               |       | Medicants |
|-------------------------------------|--------------|-------------------------------------|-------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found        | Guaran-<br>teed not<br>more<br>than | Found |           |
| 8.00                                | 10.84        | 5.00                                | 4.21  |           |
| 5.00                                | 7.46         | 15.00                               | 11.46 |           |
| 3.00                                | 3.81         | 12.00                               | 9.38  |           |
| 6.50                                | 6.77         | 6.00                                | 5.15  |           |
| 2.50                                | 4.72         | 16.00                               | 12.76 |           |
| 20.00                               | <u>17.86</u> | 0.25                                | 0.24  |           |
| 4.00                                | 4.04         | 9.00                                | 7.42  |           |
| 4.00                                | 4.44         | 9.00                                | 5.66  |           |
| ....                                | 4.94         | ....                                | 7.32  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand              | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|-------------------------------------|---------------|-------------------------------------|-------|
|             |                                     |               | Guaran-<br>teed not<br>less<br>than | Found |
| 4026        | Hominy Feed                         | 10.01         | 10.00                               | 11.50 |
| 3692        | O.P.M. Scratch 467 T                | 12.62         | 9.00                                | 9.25  |
| 4365        | Yellow Corn Meal Ground             |               |                                     |       |
|             | Oats                                | 13.67         | 8.00                                | 10.25 |
| 3795        | Wirthmore Baby Chick                |               |                                     |       |
|             | Scratch 463 A                       | 13.61         | 9.00                                | 9.75  |
| 3623        | Wirthmore Calf Starter 572 A        | 10.96         | 20.00                               | 21.75 |
| 3731        | Wirthmore Chick Starter             |               |                                     |       |
|             | 101 A                               | 10.68         | 20.00                               | 21.25 |
| 3942        | Wirthmore Chick Starter             |               |                                     |       |
|             | Medicated 103 A                     | 11.93         | 20.00                               | 20.75 |
| 4304        | Wirthmore Coarse Test               |               |                                     |       |
|             | Dairy Feed 518 A                    | 12.09         | 16.00                               | 16.50 |
| 3598        | Wirthmore Complete Growing          |               |                                     |       |
|             | Ration 205 A                        | 11.50         | 15.00                               | 15.00 |
| 4110        | Wirthmore Complete Growing          |               |                                     |       |
|             | Ration 206 A Medicated              | 9.99          | 15.00                               | 16.00 |
| 3857        | Wirthmore Complete Turkey           |               |                                     |       |
|             | Fattening Ration 361 A<br>(Pellets) | 11.51         | 14.00                               | 15.00 |
| 4406        | Wirthmore Complete Turkey           |               |                                     |       |
|             | Fattening Ration Med.<br>362 A      | 11.66         | 14.00                               | 16.25 |
| 4400        | Wirthmore Complete Turkey           |               |                                     |       |
|             | Growing Ration 342 A<br>Medicated   | 11.51         | 18.00                               | 20.00 |
| 3976        | Wirthmore Fodder Greens             |               |                                     |       |
|             | 581 A                               | 12.18         | 10.00                               | 12.25 |
| 3728        | Wirthmore Grow & Egg Mash           |               |                                     |       |
|             | 245 A                               | 8.69          | 20.00                               | 20.50 |
| 4101        | Wirthmore Hi-Cal Broiler            |               |                                     |       |
|             | Finisher 147 A Medicated            | 10.89         | 22.50                               | 23.75 |
| 4104        | Wirthmore Hi-Cal Broiler            |               |                                     |       |
|             | Starter 124 A Medicated             | 11.79         | 24.00                               | 26.00 |
| 4027        | Wirthmore 14 Hi-Cal Pellets         |               |                                     |       |
|             | Dairy Feed 531 A                    | 10.88         | 14.00                               | 15.75 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |             | Medicants  |
|-------------------------------------|-------------|-------------------------------------|-------------|--|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found       |  |
| 5.00                                | 5.85        | 6.00                                | 4.62        |  |
| 3.00                                | 3.46        | 5.00                                | 2.42        |  |
| 3.00                                | 5.71        | 3.00                                | <u>4.70</u> |  |
| 2.50                                | 2.78        | 4.00                                | 1.66        |  |
| 4.00                                | 4.18        | 5.00                                | 4.45        |  |
| 4.00                                | 4.87        | 5.00                                | 4.09        |  |
| 4.00                                | 4.64        | 5.00                                | 4.42        | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0170%.   |
| 4.00                                | 4.56        | 8.00                                | 6.68        |  |
| 3.00                                | 3.66        | 6.00                                | 5.11        |  |
| 3.00                                | 4.23        | 6.00                                | 4.63        | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0141%.   |
| 3.00                                | 4.33        | 4.00                                | 3.59        |  |
| 3.00                                | 4.41        | 4.00                                | 3.45        | 4-Nitrophenylarsonic acid:<br>Guar., 0.0250%; found,<br>0.0260%.                                 |
| 3.00                                | 4.06        | 5.00                                | 3.76        | 4-Nitrophenylarsonic acid:<br>Guar., 0.0250%; found,<br>0.0262%.                                 |
| 2.00                                | 2.84        | 18.00                               | 12.68       |  |
| 4.00                                | 5.00        | 4.50                                | 4.01        |  |
| 7.00                                | 7.04        | 3.00                                | 2.84        | Amprolium: Guar., 0.0125%;<br>found, 0.0150%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00035%. |
| 7.00                                | <u>6.49</u> | 3.00                                | 2.83        | Amprolium: Guar., 0.0125%;<br>found, 0.0142%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00035%. |
| 3.50                                | 4.14        | 8.50                                | 7.18        |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|-------------|---|---------------|-------------------------------------|--------------|
|             |   |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 4030        | Wirthmore 16 Test Dairy Feed<br>514 A                 | 11.30         | 16.00                               | 16.00        |
| 3727        | Wirthmore 16 Hi-Cal Pellets<br>Dairy Feed 532 A       | 9.61          | 16.00                               | 16.00        |
| 3793        | Wirthmore 18 Hi-Cal Pellets<br>Dairy Feed 533 A       | 10.25         | 18.00                               | <u>17.20</u> |
| 4103        | Wirthmore Hi-Cal Roaster<br>Finisher 178 A Medicated  | 10.97         | 18.50                               | 20.75        |
| 3599        | Wirthmore Hi-Ener-G 16<br>220 A                       | 9.67          | 16.00                               | 16.00        |
| 3741        | Wirthmore Hi-Ener-G 16<br>Layer Medicated (231 A)     | 11.38         | 16.00                               | 16.50        |
| 3729        | Wirthmore Hi-Ener-G 17<br>237 A                       | 9.86          | 17.00                               | 17.88        |
| 4112        | Wirthmore Hi-Energy 17<br>Layer Medicated             | 8.39          | 17.00                               | 17.50        |
| 4102        | Wirthmore Hi-Ener-G Broiler<br>Ration 141 A Medicated | 11.36         | 22.00                               | 25.50        |
| 4362        | Wirthmore Hog Grower 722 A                            | 12.65         | 14.00                               | 16.25        |
| 3500        | Wirthmore Horse Feed 811 A                            | 14.60         | 10.00                               | 11.25        |
| 3975        | Wirthmore Horse Perkies<br>817 A                      | 10.73         | 15.00                               | 19.25        |
| 3860        | Wirthmore Meatless Mink<br>Food 842 A                 | 8.53          | 12.00                               | 14.75        |
| 4456        | Wirthmore Medicated Ketrol<br>576 A                   | 14.11         | 16.00                               | 18.00        |
| 4018        | Wirthmore Medicated Quickies<br>423 A                 | 12.06         | 16.00                               | 17.25        |
| 4016        | Wirthmore Medicated Quick<br>Perk 412 A               | 11.14         | 20.00                               | 20.25        |
| 4444        | Wirthmore Medicated Turk-<br>E-Perk 314 A             | 10.91         | 30.00                               | 30.00        |



Indicates deficiencies.



## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 4.00                                | 4.42  | 8.50                                | 6.12  |  |
| 3.50                                | 4.01  | 8.50                                | 8.13  |  |
| 3.50                                | 4.77  | 8.50                                | 8.73  |  |
| 5.00                                | 6.09  | 3.50                                | 3.40  | Amprolium: Guar., 0.0125%;<br>found, 0.0122%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00033%.         |
| 4.00                                | 6.91  | 4.00                                | 3.99  |  |
| 4.00                                | 5.29  | 4.00                                | 3.18  | Arsanilic acid: Guar.,<br>0.008%; found, 0.0074%.  |
| 4.00                                | 5.71  | 4.00                                | 3.14  |  |
| 4.00                                | 4.92  | 3.50                                | 3.29  | Sodium arsanilate: Guar.,<br>0.0088%; found, 0.0093%.  |
| 5.50                                | 5.79  | 3.50                                | 3.41  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00042%.         |
| 3.50                                | 5.04  | 6.00                                | 4.25  |  |
| 3.00                                | 3.56  | 9.00                                | 5.51  |  |
| 3.00                                | 5.22  | 7.00                                | 6.54  |  |
| 5.00                                | 4.86  | 5.00                                | 4.00  |  |
| 3.00                                | 4.71  | 6.00                                | 6.24  |  |
| 4.00                                | 5.08  | 4.50                                | 3.51  | Oxytetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.102 gms/lb.                          |
| 5.00                                | 6.24  | 4.00                                | 3.56  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.106 gms/lb.                        |
| 4.00                                | 5.49  | 4.00                                | 3.26  | Furazolidone: Guar., 0.011%;<br>found, 0.010%. Sulfaquinox-<br>aline: Guar., 0.0175%;<br>found, 0.0174%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                               | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|-------------|--|---------------|-------------------------------------|--------------|
|             |  |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 4306        | Wirthmore Milk Mizer 571 A                           | 8.19          | 25.00                               | 26.50        |
| 3859        | Wirthmore New Hope Com-<br>plete Horse Feed 813 A    | 11.71         | 12.50                               | 13.50        |
| 3977        | Wirthmore Original New Hope<br>Horse Feed 518 A      | 12.74         | 12.50                               | 14.25        |
| 4299        | Wirthmore 14 Pro-Cal Dairy<br>Feed 536 A             | 12.10         | 14.00                               | 17.50        |
| 3624        | Wirthmore Pro-Cal Dairy<br>Feed 538 A                | 12.27         | 16.00                               | 18.50        |
| 3794        | Wirthmore Rabbit Pellets<br>831 A                    | 9.91          | 15.00                               | 17.50        |
| 4442        | Wirthmore Rabbit Pellets<br>832 A Medicated          | 10.17         | 15.00                               | 15.50        |
| 3584        | Wirthmore 16 Record Dairy<br>Feed 512 A              | 12.60         | 16.00                               | 17.75        |
| 3730        | Wirthmore 20 Record Dairy<br>Feed 519 A              | 10.73         | 20.00                               | 21.00        |
| 3501        | Wirthmore 14 Record Fitting<br>& Calving Feed 516 A  | 13.20         | 14.00                               | 15.50        |
| 3600        | Wirthmore Scratch 461 A                              | 13.42         | 9.00                                | 9.50         |
| 4028        | Wirthmore Stable Mate Com-<br>plete Horse Feed 816 A | 9.04          | 12.50                               | <u>10.25</u> |
| 3502        | Wirthmore Stock Primer<br>616 A                      | 13.33         | 14.00                               | 15.75        |
| 3974        | Wirthmore Super Pellets<br>411 A                     | 10.81         | 23.00                               | 23.00        |
| 3792        | Wirthmore Turkey Growing<br>Ration 321 A             | 11.50         | 23.00                               | 23.50        |
| 4391        | Wirthmore Turkey Growing<br>Ration 323 A Medicated   | 11.66         | 23.00                               | 24.50        |
| 3949        | Wirthmore Turkey Starter<br>A 315 A Medicated        | 10.59         | 28.00                               | 29.50        |
| 4302        | Wirthmore Twin-Mix Calf<br>Feed 573 A                | 12.69         | 18.00                               | 18.50        |
| 4025        | Wirthmore 16 Ultra-Cal<br>Pellets Dairy Feed 537 A   | 10.33         | 16.00                               | 16.00        |



Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 10.00                               | 10.29 | 1.50                                | 1.18  |  |
| 2.00                                | 2.59  | 12.00                               | 8.55  |  |
| 3.00                                | 3.24  | 6.00                                | 4.66  |  |
| 3.00                                | 3.96  | 12.00                               | 9.83  |  |
| 3.00                                | 3.16  | 12.00                               | 10.20 |  |
| 2.50                                | 3.52  | 15.00                               | 13.50 |  |
| 2.50                                | 3.39  | 15.00                               | 13.57 | Furazolidone: Guar., 0.0055%;<br>found, 0.0055%. Sulfaquinox-<br>aline: Guar., 0.0125%;<br>found, 0.0132%. |
| 3.50                                | 3.61  | 9.00                                | 7.89  |  |
| 3.50                                | 3.78  | 9.00                                | 7.50  |  |
| 3.50                                | 3.98  | 9.00                                | 7.39  |  |
| 2.50                                | 2.71  | 4.00                                | 3.16  |  |
| 2.00                                | 2.14  | 20.00                               | 18.51 |  |
| 3.00                                | 3.86  | 8.50                                | 6.95  |  |
| 3.50                                | 4.54  | 5.00                                | 4.06  |  |
| 3.50                                | 4.16  | 5.00                                | 4.32  |  |
| 3.50                                | 4.06  | 5.00                                | 4.12  | 4-Nitrophenylarsonic acid:<br>Guar., 0.0250%; found,<br>0.0264%.   |
| 4.00                                | 5.77  | 4.50                                | 3.88  | Amprolium: Guar., 0.0125%;<br>found, 0.0130%.  |
| 3.00                                | 3.13  | 6.00                                | 5.40  |  |
| 5.00                                | 4.84  | 6.00                                | 6.31  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.   | Manufacturer and brand  | Protein<br>(N x 6.25) |                                     |       |
|---|---|-----------------------|-------------------------------------|-------|
|   |   | Mois-<br>ture         | Guaran-<br>teed not<br>less<br>than | Found |
| THE YANTIC GRAIN &<br>PRODUCTS CO., Norwich,<br>Conn. |   |                       |                                     |       |
| 2695  | Big (Y) Chlortetracycline<br>(Aureomycin) Mixture<br>(100 Gram) | 12.37                 | 15.00                               | 15.75 |
| 2694  | Big (Y) Chlortetracycline<br>(Aureomycin) Mixture<br>(200 Gram) | 11.76                 | 15.00                               | 18.00 |
| 4303  | Big (Y) 20% Dairy Ration<br>(Pellets)                           | 10.87                 | 20.00                               | 20.00 |
| 3622  | Big (Y) Dairy Ration Purity<br>16                               | 12.76                 | 16.00                               | 18.50 |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 3.50                                | 5.63  | 5.00                                | 3.91  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.05 gms/lb.;<br>found, 0.031 gms/lb. |
| 3.50                                | 5.37  | 5.00                                | 4.30  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.080 gms/lb.  |
| 3.00                                | 4.16  | 9.00                                | 6.54  |  |
| 3.00                                | 3.12  | 9.00                                | 7.69  |  |

TABLE 2. VITAMIN CARRIERS

| Station<br>No.  | Manufacturer and brand                       | Place, date of sampling<br>and control number |
|---|--|---|
| AMERICAN CYANAMID CO.,<br>Princeton, N. J.                                      |  |   |
| 1672  | Aureomycin Crumbles (Chlortet-<br>racycline) | Norwich, 1/20, None                           |
| COMMERCIAL SOLVENTS CORP.,<br>New York, N. Y.                                   |  |   |
| 3460  | Perma-Mix CCC No. 1                          | Manchester, 8/28,<br>5254-3                   |
| 3461  | Perma-Mix CCC No. 2                          | Manchester, 8/28, 5255                        |
| 3462  | Perma-Mix CCC No. 3                          | Manchester, 8/28, 5242                        |
| 3463  | Perma-Mix CCC No. 4 Broilers                 | Manchester, 8/28, 5265                        |
| 3465  | Perma-Mix Turkey Premix<br>No. 5             | Manchester, 8/28, 5211                        |
| 3464  | Perma-Mix Turkey Premix<br>No. 6             | Manchester, 8/28, 5191                        |
| PEDER DEVOLD OIL CO., Div.<br>Chas. L. Huisling & Co.,<br>Inc., New York, N. Y. |  |   |
| 1669  | Peder Devold Cod Liver Oil N.F.              | Norwalk, 1/17, TO 703                         |
| 3466  | Peder Devold Cod Liver Oil N.F.              | Norwalk, 9/2, TO 683                          |
| DREW CHEMICAL CORP.,<br>Boonton, N. J.  |  |   |
| 1668  | Vitan Dry "3000"                             | Shelton, 1/17, 3763                           |
| 2062  | Vitan Dry "3000"                             | Shelton, 3/17, None                           |
| 3459  | Vitan Dry "3000"                             | Shelton, 8/27, None                           |
| RAY EWING CO., Pasadena,<br>Calif.  |  |   |
| 2073  | All Mash Pre Mix                             | Jewett City, 3/20, None                       |
| MARINE PRODUCTS CO.,<br>Boston, Mass.   |  |   |
| 3484  | Finest Veterinary Cod Liver Oil              | Fitchville, 9/15, 3188                        |
| 1673  | Veterinary Cod Liver Oil                     | Norwich, 1/20, 2703                           |

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |       | Pantothenic<br>Acid<br>mg/lb. |       | Niacin<br>mg/lb. |       | Riboflavin<br>mg/lb. |       |
|------------------------------|-------|-------------------------------|-------|------------------|-------|----------------------|-------|
| Guar.                        | Found | Guar.                         | Found | Guar.            | Found | Guar.                | Found |
| 16,000                       | OK    |                               |       |                  |       |                      |       |
| 900                          | OK    |                               |       |                  |       |                      |       |
| 300,000                      | Pass  |                               |       |                  |       |                      |       |
| 300,000                      | Pass  |                               |       |                  |       |                      |       |
| 300,000                      | OK    |                               |       |                  |       |                      |       |
| 600,000                      | OK    |                               |       |                  |       |                      |       |
| 600,000                      | OK    |                               |       |                  |       |                      |       |
| 33,750                       | OK    |                               |       |                  |       |                      |       |
| 33,750                       | OK    |                               |       |                  |       |                      |       |
| 1,362,000                    | OK    |                               |       |                  |       |                      |       |
| 1,362,000                    | OK    |                               |       |                  |       |                      |       |
| 1,362,000                    | OK    |                               |       |                  |       |                      |       |
| 544,800                      | OK    | 2,000                         | 1,860 | 8,000            | 8,187 | 800                  | 828   |
| 136,077                      | OK    |                               |       |                  |       |                      |       |
| 136,077                      | OK    |                               |       |                  |       |                      |       |



TABLE 2. VITAMIN CARRIERS

| Station No.   | Manufacturer and brand       | Place, date of sampling and control number |
|---|------------------------------|--|
| MERCK CHEMICAL DIV.,<br>Merck & Co., Inc.,<br>Rahway, N.J.                |                              |  |
| 1671  | Improved Premix Medicated    | Norwich, 1/20, 17-1493-3-2                 |
| 2069  | Improved Premix Medicated    | Norwich, 3/20, M-137-4-1                   |
| MYZON LABORATORIES,<br>Kansas City, Kansas                                |                              |  |
| 2070  | Myzon Poultry Builder        | Norwich, 3/20, None                        |
| NOPCO CHEMICAL CO.,<br>Newark, N.J.                                       |                              |  |
| 1675  | Nopco-Pak Hi-Lay Premix      | Norwich, 1/20, None                        |
| 2071  | Nopco-Pak Super Premix       | Norwich, 3/20, None                        |
| 1670  | Nopdex "3000"                | Norwich, 1/20, None                        |
| 2068  | Nopdex "3000"                | Norwich, 3/20, None                        |
| CHAS. PFIZER & CO., INC.,<br>New York, N.Y.                               |                              |  |
| 1674  | Yantic High Lay Premix       | Norwich, 1/20, None                        |
| 2072  | Yantic High Lay Premix       | Norwich, 3/20, None                        |
| STABILIZED VITAMINS DIV.,<br>Commercial Solvents Corp.,<br>Garfield, N.J. |                              |  |
| 1663  | Perma-Mix CCC No. 1          | Manchester, 1/16, 50643                    |
| 2064  | Perma-Mix CCC No. 1          | Manchester, 3/18, 50781                    |
| 1666  | Perma-Mix CCC No. 2          | Manchester, 1/16, 5065                     |
| 2065  | Perma-Mix CCC No. 2          | Manchester, 3/18, 5105                     |
| 1664  | Perma-Mix CCC No. 3          | Manchester, 1/16, 5068                     |
| 2066  | Perma-Mix CCC No. 3          | Manchester, 3/18, 5114                     |
| 1665  | Perma-Mix CCC No. 4          | Manchester, 1/16, 5016                     |
| 2067  | Perma-Mix CCC No. 4 Broilers | Manchester, 3/18, 5103                     |

~~~~~ Indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |       | Pantothenic<br>Acid<br>mg/lb. |       | Niacin<br>mg/lb. |               | Riboflavin<br>mg/lb. |            |
|------------------------------|-------|-------------------------------|-------|------------------|---------------|----------------------|------------|
| Guar.                        | Found | Guar.                         | Found | Guar.            | Found         | Guar.                | Found      |
| 85,125                       | OK    | 460                           | 388   | 3,750            | 3,259         | 500                  | 446        |
| 85,125                       | OK    | 460                           | 552   | 3,750            | 3,967         | 500                  | 514        |
| 164,000                      | OK    | 160                           | 164   | 640              | 726           | 160                  | 173        |
| 544,800                      | ---   | 1,472                         | 1,298 | 8,000            | 8,125         | 800                  | 895        |
| 170,250                      | OK    | 920                           | 1,060 | 7,500            | 7,692         | 1,000                | 1,009      |
| 1,361,000                    | OK    |                               |       |                  |               |                      |            |
| 1,361,000                    | OK    |                               |       |                  |               |                      |            |
| 544,900                      | Low   | 1,472                         | 1,375 | 8,000            | 8,878         | 800                  | 749        |
| 544,900                      | Pass  | 1,472                         | 1,669 | 8,000            | <u>10,340</u> | 800                  | 738        |
| 297,500                      | OK    | 900                           | 936   | 7,950            | 7,317         | 600                  | 715        |
| 297,500                      | OK    | 900                           | 907   | 7,950            | 8,386         | 600                  | 544        |
| 153,150                      | OK    | 1,380                         | 1,361 | 7,500            | 7,992         | 375                  | 425        |
| 153,150                      | OK    | 1,380                         | 1,474 | 7,500            | 8,734         | 375                  | 385        |
| 214,650                      | OK    | 1,104                         | 1,021 | 6,750            | 7,537         | 975                  | 906        |
| 214,650                      | OK    | 1,104                         | 991   | 6,750            | 7,422         | 975                  | 963        |
| 216,000                      | OK    | 1,104                         | 1,059 | 5,400            | 4,875         | 900                  | 1,248      |
| 216,000                      | --    | 1,104                         | 1,276 | 5,400            | 5,721         | 900                  | <u>951</u> |

TABLE 2. VITAMIN CARRIERS

| Station<br>No.                                    | Manufacturer and brand                     | Place, date of sampling<br>and control number                    |
|---------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
| WHITMOYER LABORATORIES,<br>INC., Myerstown, Penn. |                                            |                                                                  |
| 1667                                              | Derby All-Purpose Premix                   | Derby, 1/17, 120263                                              |
| 3458                                              | Derby All-Purpose Premix                   | Derby, 8-27, 0821401                                             |
| 2063                                              | Flav-A-Dee                                 | Bridgeport, 3/17, None                                           |
| 3467                                              | Flav-A-Dee                                 | Bridgeport, 9/11,<br>0828401                                     |
| WIRTHMORE FEEDS, INC.,<br>Waltham, Mass.          |                                            |                                                                  |
| 1025 <sup>1</sup>                                 | Wirthmore Horse Perkies Pellets<br>817 A   | Bloomfield, 11/26,<br>J221624, J221625&<br>J221626               |
| 3971 <sup>2</sup>                                 | Wirthmore Horse Perkies 817 A              | Danbury, 11/9, S488802,<br>S488804, S488807,<br>S488808, S488809 |
| 3970                                              | Wirthmore Original New Horse<br>Feed 815 A | Danbury, 11/3, V662072,<br>V662101, V662258,<br>V662487, V666501 |

<sup>1</sup>Folic acid, mg/lb: Guar., 1; found, 0.82. Thiamine, mg/lb:  
Guar., 50; found, 55.8.

<sup>2</sup>Folic acid, mg/lb: Guar., 1; found, 0.99. Thiamine, mg/lb:  
Guar., 50; found, 61.6.

<sup>2</sup>Vitamin B<sub>12</sub>, mg/lb: Guar., 10; found, 0.00.

~~~~~ Indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |       | Pantothenic<br>Acid<br>mg/lb. |             | Niacin<br>mg/lb. |             | Riboflavin<br>mg/lb. |             |
|------------------------------|-------|-------------------------------|-------------|------------------|-------------|----------------------|-------------|
| Guar.                        | Found | Guar.                         | Found       | Guar.            | Found       | Guar.                | Found       |
| 136,200                      | OK    | 920                           | 700         | 4,000            | 3,373       | 400                  | 423         |
| 136,200                      | OK    | 920                           | ---         | 4,000            | ---         | 400                  | ---         |
| 54,480                       | OK    | 100                           | 116         | 700              | 786         | 100                  | 96.3        |
| 54,480                       | OK    | 100                           | ---         | 700              | ---         | 100                  | ---         |
|                              |       |                               |             |                  |             |                      |             |
| 10,000                       | --    | 40                            | <u>27.1</u> | 50               | <u>64.6</u> | 40                   | 38.0        |
|                              |       |                               |             |                  |             |                      |             |
| 10,000                       | --    | 40                            | <u>51.1</u> | 50               | <u>74.3</u> | 40                   | 48.2        |
|                              |       |                               |             |                  |             |                      |             |
| 1,000                        | --    | 5                             | <u>12.9</u> | 5                | <u>44.8</u> | 8                    | <u>11.7</u> |











